

File 344:Chinese Patents Abs Aug 1985-2002/Dec  
(c) 2003 European Patent Office  
File 347:JAPIO Oct 1976-2002/Sep(Updated 030102)  
(c) 2003 JPO & JAPIO  
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200307  
(c) 2003 Thomson Derwent

?ds

Set	Items	Description
S1	361389	PHOTOFINISH? OR PHOTO()FINISH? OR PHOTOPROCESS? OR PHOTO() - PROCESS? OR PHOTOSERVIC? OR PHOTOGRAPH?
S2	346018	(PROCESS? OR DEVELOP?) (5N) (FILM? OR IMAGE? OR PICTURE? OR - ROLL? ? OR FRAME? ? OR PRINT OR PRINTS OR CASSETTE?)
S3	4553	(PROCESS? OR DEVELOP?) (5N) (DIGITAL OR DIGITI?) () (FILM? OR - IMAGE? OR PICTURE? OR ROLL? ? OR FRAME? ? OR PRINT OR PRINTS - OR CASSETTE?)
S4	892	KODAK? OR EASTMAN? OR FUJI?
S5	25487	(UNPRINT? OR UNEXPOS? OR UNUSED OR UNUSABLE OR UNPRINT? OR UNPROCESS? OR DEFECT? OR BLANK OR DAMAGE? ?) (5N) (FILM ? ? OR - IMAGE? ? OR PICTURE? ? OR DIGITAL? OR ROLL? ? OR FRAME? ? OR - PHOTOGRAPHIC? OR PRINT OR PRINTS OR CASSETTE?)
S6	26426	CREDIT? ? OR CREDITING OR GIFT()CERTIFICATE? OR GIFT? ? OR REBATE? OR REBATING? OR INCENTIV? OR REWARD? OR DISCOUNT? OR - SPECIAL()OFFER? OR REDEEM? OR REDEMP?
S7	1594492	ASSIGN? ? OR AUTOMATIC? OR GIVE OR GIVING OR ALLOCAT? OR A- LLOT? OR AUTHORIZ? OR AUTHORIS?
S8	21519	S7(3N) (CREDIT? ? OR CREDITING OR GIFT()CERTIFICATE? OR FIL- M? OR GIFT? ? OR ROLL? ? OR REBATE? OR REBATING? OR INCENTIV? OR REWARD? OR DISCOUNT? OR SPECIAL()OFFER? OR REDEEM? OR REDE- MPT?)
S9	6289	(TRACK? OR MONITOR?) (5N) (ORDER? ? OR REQUEST? ? OR PURCHAS? OR SALE? ? OR RE()ORDER? OR REORDER?)
S10	3966	(TRACK? OR MONITOR?) (5N) (CUSTOMER? OR CLIENT? OR BUYER? OR PERSON? ? OR ACCOUNT OR ACCOUNTS)
S11	3742	(TRACK? OR MONITOR?) (5N) (UNPRINT? OR UNEXPOS? OR UNUSED OR UNUSABLE OR UNPRINT? OR UNPROCESS? OR DEFECT? OR BLANK? ? OR - DAMAGE? ?)
S12	66	LOYALTY (3N) (CARD? OR ACCOUNT?)
S13	2749	(S1 OR S2 OR S3) (5N) S5
S14	4	S13 AND S6
S15	15	S13 AND S8
S16	15	S15 NOT S14
S17	23	S13 AND (S9 OR S10 OR S11 OR S12)
S18	23	S17 NOT (S14 OR S16)
S19	6	S4 AND S5
S20	6	S19 NOT (S14 OR S16 OR S18)
S21	0	S4 AND S6

14/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014729996 \*\*Image available\*\*  
WPI Acc No: 2002-550700/200259

XRPX Acc No: N02-436151

Providing photographic products and services by selling film product to customer, returning partially used film to photo-finisher and providing credit for unused product

Patent Assignee: EASTMAN KODAK CO (EAST )

Inventor: FENTON D E; LAM W K; MIZELLE S L

Number of Countries: 029 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1225475	A1	20020724	EP 200275079	A	20020109	200259 B
US 20020133474	A1	20020919	US 2001766917	A	20010122	200264
CN 1367406	A	20020904	CN 2002102094	A	20020122	200281
JP 2002303940	A	20021018	JP 20021593	A	20020108	200301

Priority Applications (No Type Date): US 2001766917 A 20010122 *RWY*

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 1225475 A1 E 7 G03D-015/00

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

US 20020133474 A1 G06F-017/00

CN 1367406 A G03C-011/00

JP 2002303940 A 4 G03B-027/46

Abstract (Basic): EP 1225475 A1

NOVELTY - A customer (10) purchases a roll of film (12) from a sales channel (13) and uses it to capture one or more images (16) of a single event, before submitting the film for processing to obtain prints (22) and image files with products. The customer may purchase a new roll of film (12') and any unused frames of the original film are credited. The process can be repeated for further films (12'', 12''').

USE - Selling of photographic films.

ADVANTAGE - Reduced delay in completing roll of film.

DESCRIPTION OF DRAWING(S) - The drawing shows a model for providing film

Customer (10)

Film (12)

Images (16)

Prints (22)

pp; 7 DwgNo 2/2

Title Terms: PHOTOGRAPH; PRODUCT; SERVICE; SELL; FILM; PRODUCT; CUSTOMER; RETURN; FILM; PHOTO; FINISH; CREDIT ; PRODUCT

Derwent Class: P82; P83; P84; T01

International Patent Class (Main): G03B-027/46; G03C-011/00; G03D-015/00; G06F-017/00

International Patent Class (Additional): G06F-017/60; G07G-001/12

File Segment: EPI; EngPI

14/5/2 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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011575746 \*\*Image available\*\*

WPI Acc No: 1997-552227/199751

XRPX Acc No: N97-460156

Bar code on stuffed envelope printing - changing font of printer to print blank string if scanning process indicates that document

contains data which is not valid based on selected configuration  
Patent Assignee: PITNEY BOWES INC (PITB )  
Inventor: BODIE K W; CHURCHILL J; GAGLIARDI M A; GOTTLIEB R K  
Number of Countries: 004 Number of Patents: 002  
Patent Family:  
Patent No Kind Date Applcat No Kind Date Week  
EP 807473 A2 19971119 EP 97107450 A 19970506 199751 B  
US 6002095 A 19991214 US 96646186 A 19960507 200005

Priority Applications (No Type Date): US 96646186 A 19960507

Cited Patents: -SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 807473	A2	E	8	B07C-001/00	
US 6002095	A			Designated States (Regional): DE FR GB	
				B07C-005/00	

Abstract (Basic): EP 807473 A

The method involves conveying an address bearing document from an input module (12) along a chassis (14) from an upstream location to a downstream location. The document is scanned at the input module to determine whether or not a bar code is to be printed on the stuffed envelope. A barcode is printed with a printer (18) on the envelope if the scanning process indicates that the document contains data which is valid based on a selected configuration. The font of the printer is changed to print a blank string if the scanning process indicates that the document contains data which is not valid based on a selected configuration.

The blank string is printed in ASCII font and the selected configuration requires 9 or 11 digit zip-code. Further it requires out-sorting all envelopes printed with a blank string, while the barcode is a Postnet barcode.

USE/ADVANTAGE - For selectively printing Postnet bar code on envelopes. Allows printing nothing on envelopes in those cases where address does not contain proper zip code information so they can be out-sorted downstream of printer and remainder of printer output can be accumulated in bundle which qualify for postal **discount**.

Dwg.1/3

Title Terms: BAR; CODE; STUFF; ENVELOPE; PRINT; CHANGE; FONT; PRINT; PRINT; BLANK; STRING; SCAN; PROCESS; INDICATE; DOCUMENT; CONTAIN; DATA; VALID; BASED; SELECT; CONFIGURATION

Derwent Class: P43; T04; T05

International Patent Class (Main): B07C-001/00; B07C-005/00

International Patent Class (Additional): G06F-017/00

File Segment: EPI; EngPI

14/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011038486 \*\*Image available\*\*

WPI Acc No: 1997-016410/199702

XRPX Acc No: N97-014046

Voucher book format for pass book, credit cards, cash cards in financial organization e.g. bank - has second and fourth forms on which common barcode is recorded

Patent Assignee: DAINIPPON PRINTING CO LTD (NIPQ )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applcat No	Kind	Date	Week
JP 8282153	A	19961029	JP 9594641	A	19950420	199702 B

Priority Applications (No Type Date): JP 9594641 A 19950420

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 8282153 A 6 B42D-011/00

Abstract (Basic): JP 8282153 A

The format has a voucher (10) with a first form (11), a second form (12), a third form (13) and a fourth form (14) which are piled up in an order. The information recorded on the first form is copied to the fourth form.

The fourth form is provided with a photograph affixing space to affix a photograph of customer. A common barcode is recorded on the second and fourth forms.

ADVANTAGE - Enables reading information using barcode reader. Facilitates easy affixing of **photograph**. Improves handling ability. Avoids **defects** in **image** information. Facilitates easy reading out of information. Provides rapid issue processing.

Dwg.1/7

Title Terms: VOUCHER; BOOK; FORMAT; PASS; BOOK; **CREDIT**; CARD; CASH; CARD; FINANCIAL; BANK; SECOND; FOURTH; FORM; COMMON; RECORD

Derwent Class: P76

International Patent Class (Main): B42D-011/00

File Segment: EngPI

**14/5/4 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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008495897

WPI Acc No: 1990-382897/199051

XRPX Acc No: N90-291923

Credit -calling card pay telephone communication method - by illuminating chip in bright field and capturing image with TV camera coupled to machine vision processor

Patent Assignee: AT & T BELL LAB (AMTT )

Inventor: BOSE C B; RAY R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4975972	A	19901204	US 88259640	A	19881018	199051 B

Priority Applications (No Type Date): US 88259640 A 19881018

Abstract (Basic): US 4975972 A

The image of the surface of the article is captured with an image-acquisition device whose optical axis is normal to the axis of the surface. The captured image is binarised to cause those areas within the image having an intensity below a threshold value to appear dark and those areas having an intensity above the threshold value to appear bright. The binarised **image** is **processed** to produce a first **image** in which those **defects**, if any, which are larger than the line width of the feature, are isolated.

The binarised **image** is **processed** to produce a second **image** in which those **defects**, if any, which are smaller than the line width of the feature, are isolated. The first and second images are logically ANDed to yield a third image. The presence of a defect is established by the existence in the third image of a dark area.

USE - For detection of a defect on the surface of an article e.g. a semiconductor chip.

Dwg.1/8

Title Terms: **CREDIT**; CALL; CARD; PAY; TELEPHONE; COMMUNICATE; METHOD; ILLUMINATE; CHIP; BRIGHT; FIELD; CAPTURE; IMAGE; TELEVISION; CAMERA; COUPLE; MACHINE; VISION; PROCESSOR

Derwent Class: T04; U11

International Patent Class (Additional): G06K-009/00

File Segment: EPI

16/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05721403 \*\*Image available\*\*  
PHOTOGRAPHIC IMAGE PROCESSING UNIT

PUB. NO.: 10-004503 [JP 10004503 A]  
PUBLISHED: January 06, 1998 (19980106)  
INVENTOR(s): HOSHINO YASUSHI  
              FUJISAWA TOSHIKI  
              MIYAUCHI YUKIHARU  
APPLICANT(s): KONICA CORP [000127] (A Japanese Company or Corporation), JP  
              (Japan)  
APPL. NO.: 08-155206 [JP 96155206]  
FILED: June 17, 1996 (19960617)  
INTL CLASS: [6] H04N-001/60; G03B-027/50; H04N-001/46; H04N-005/253;  
              H04N-009/11  
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 29.1  
              (PRECISION INSTRUMENTS -- Photography & Cinematography); 44.6  
              (COMMUNICATION -- Television)  
JAPIO KEYWORD: R098 (ELECTRONIC MATERIALS -- Charge Transfer Elements, CCD &  
              BBD); R116 (ELECTRONIC MATERIALS -- Light Emitting Diodes,  
              LED)

#### ABSTRACT

PROBLEM TO BE SOLVED: To read a kind of a film automatically by reading image data of unexposed part of a developed film under a prescribed data read condition and discriminating the film type based on color separation data of the image data.

SOLUTION: While a carrier is set to an initial position, a CPU 1 checks whether or not communication is possible to a carrier. When reply data from the carrier return, a film loaded to the carrier is recognized to be an IX-240 film. When communication is disable, the inserted carrier is a carrier 1 or 2. Then the CPU 1 reads an area A of a film. When a CCD 37 reads the area A, output characteristics of 6-frame carrier (carrier 1) and 4-frame carrier (carrier 2) are as shown in figures (b), (a). Thus, the film is read by three primary colors R, G, B, then the film is easily identified. The result of discrimination is informed to a CPU 20 of a personal computer section 60 from a data communication section 4

16/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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04978270 \*\*Image available\*\*  
CAMERA

PUB. NO.: 07-270870 [JP 7270870 A]  
PUBLISHED: October 20, 1995 (19951020)  
INVENTOR(s): MIYAZAKI TAKEMI  
              NAKANISHI KAZUHIRO  
              MURAKAMI KOICHIRO  
              KAZAOKA NORIYUKI  
APPLICANT(s): KONICA CORP [000127] (A Japanese Company or Corporation), JP  
              (Japan)  
APPL. NO.: 06-059287 [JP 9459287]  
FILED: March 29, 1994 (19940329)  
INTL CLASS: [6] G03B-017/00; G03B-017/18  
JAPIO CLASS: 29.1 (PRECISION INSTRUMENTS -- Photography & Cinematography)  
JAPIO KEYWORD: R107 (INFORMATION PROCESSING -- OCR & OMR Optical Readers)

#### ABSTRACT

PURPOSE: To prevent the fogging of film from occurring by automatically rewinding the film wound to perform photographing in a camera in a cartridge after a specified time elapses.

CONSTITUTION: When exposure is executed by turning on the second-step switch S(sub 2) of the release button of the camera, magnetic recording to show an exposed frame is executed while winding the film by one frame by means of a film feeding mechanism. Next, a timer circuit incorporated in a CPU 500 is started winding the film, so that time measurement is started. Whether or not the switch S(sub 2) is turned on again is judged; and when it is not turned on, the timer is stopped after the specified time, for example, about one month elapses. The CPU 500 outputs a signal to a motor control circuit 518 to rewind the film. While the film is rewound, the number of the exposed frames is magnetically recorded or recorded in an E(sup 2)PROM 56. When the number of the exposed frames is magnetically recorded and reproduced, the CPU 500 commands the control circuit 518 to read the number of the exposed frames and perform the heading of the unexposed photographic frame.

16/5/3 (Item 3 from file: 347)

DIALOG(R)File 347:JAPIO

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03662848 \*\*Image available\*\*

CERAMIC PHOTOGRAPHIC PLATE

PUB. NO.: 04-027948 [JP 4027948 A]

PUBLISHED: January 30, 1992 (19920130)

INVENTOR(s): NAGATA TATSUYA

ONO MASAYUKI

APPLICANT(s): INAX CORP [330561] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 02-133490 [JP 90133490]

FILED: May 23, 1990 (19900523)

INTL CLASS: [5] G03C-011/00; G03C-001/76

JAPIO CLASS: 29.1 (PRECISION INSTRUMENTS -- Photography & Cinematography)

JOURNAL: Section: P, Section No. 1349, Vol. 16, No. 193, Pg. 162, May 11, 1992 (19920511)

#### ABSTRACT

PURPOSE: To prevent the **damage** of a ceramic **photographic** plate by arranging a backing plate on the rear side of a ceramic substrate where a photograph is formed by printing and interposing a flexible intermediate **film** between them to **give** a sandwich structure.

CONSTITUTION: A ceramic photographic plate 10 has the sandwich structure where a substrate 12, a backing plate 16, and an intermediate film 14 are press-fitted to one another. An ordinary light-transmissive glass plate is used as the backing plate 16, and the intermediate film 14 is made of a rubber or resin flexible material, and the substrate 12 and the backing plate 16 are press-fitted to the intermediate film 14 by heating. Since this ceramic photographic plate 10 has the flexible intermediate film 14 sandwiched between the substrate 12 and the backing plate 16, broken pieces are not scattered around even if the substrate 12 is broken by hit of a stone or the other cause.

16/5/4 (Item 4 from file: 347)

DIALOG(R)File 347:JAPIO

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01472730 \*\*Image available\*\*

CAMERA USING DISK TYPE FILM

PUB. NO.: 59-184330 [JP 59184330 A]  
PUBLISHED: October 19, 1984 (19841019)  
INVENTOR(s): GUNJI KOICHI  
APPLICANT(s): KONISHIROKU PHOTO IND CO LTD [000127] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 58-058511 [JP 8358511]  
FILED: April 01, 1983 (19830401)  
INTL CLASS: [3] G03B-017/00; G03B-017/28  
JAPIO CLASS: 29.1 (PRECISION INSTRUMENTS -- Photography & Cinematography)  
JOURNAL: Section: P, Section No. 337, Vol. 09, No. 44, Pg. 102,  
February 23, 1985 (19850223)

#### ABSTRACT

PURPOSE: To photograph an all frame number without causing a no-load feed even in case when a disk type film contained in a cartridge, which has been photographed up to a frame number on the way is reloaded in a camera, by providing a film engaging member for moving a film by interlocking with an opening and closing member for opening and closing a rear cover of the camera.

CONSTITUTION: A titled camera is provided with a notch detecting lever 26 for moving a film 7 by interlocking with an opening and closing member 5 for opening and closing a rear cover of the camera. A disk type film 7 contained in a cartridge, which has been photographed up to a frame number on the way and taken out of the camera is returned to a position where an exposed picture frame which has existed at a photographing position in the camera moves backward a little, therefore, in case when it is loaded to the camera again, even if a motor 21 is rotated by **automatic** loading, a **film** feed pawl 29 cannot be engaged to a notch immediately but is engaged to the notch and fed after sliding by some quantity on the film 7. Accordingly, the **unexposed picture frame** occupies the **photographing** position again, and a loss caused by a no-load feed of the film can be prevented.

16/5/5 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013295221 \*\*Image available\*\*  
WPI Acc No: 2000-467156/200041  
XRAM Acc No: C00-140800  
XRPX Acc No: N00-348689

**Imaging element useful as photographic material, especially base material for photographic prints, has fusible layer between writable-conductive layer and substrate for splicing e.g. to gelatin top coat**

Patent Assignee: EASTMAN KODAK CO (EAST )  
Inventor: AYLWARD P T; BOURDELAIS R P; CAMP A D; MCGEE D E; RIECKE E E  
Number of Countries: 004 Number of Patents: 004

#### Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19960272	A1	20000629	DE 1060272	A	19991214	200041 B
JP 2000187300	A	20000704	JP 99362768	A	19991221	200044
GB 2349708	A	20001108	GB 9929218	A	19991210	200058
US 6232056	B1	20010515	US 98217232	A	19981221	200129

Priority Applications (No Type Date): US 98217232 A 19981221

#### Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19960272	A1	22		G03C-001/76	
JP 2000187300	A	20		G03C-001/76	
GB 2349708	A			G03C-001/76	
US 6232056	B1			G03C-001/85	

Abstract (Basic): DE 19960272 A1

NOVELTY - Imaging element has a base layer of writable conductive material and a fusible layer between this base layer and a substrate.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a process for splicing 2 elements with these layers and a top coat containing gelatin by contacting the base coat of the first with the top coat of the second and fusing by applying heat and pressure.

USE - The element is a photographic material, especially a base material for photographic prints.

ADVANTAGE - The material gives greater splice strength than usual for the photofinishing process and avoids the risk of sticking to the hot splicing head.

DESCRIPTION OF DRAWING(S) - The drawing shows a simplified version of the laminated sheet.

Heated anvils (2, 24)

Roll of exposed photographic paper (12)

Imaging layer of roll of unexposed photographic paper (14)

Splicing unit (15)

Roll of unexposed photographic paper (22)

Substrate, e.g. photographic paper with upper and lower layers of pigmented biaxially oriented polypropylene and anchoring layer of polyethylene (36)

Thin polyethylene-imine layer (38)

Writable conductive layer (40)

pp; 22 DwgNo 1/1

Title Terms: IMAGE; ELEMENT; USEFUL; PHOTOGRAPH; MATERIAL; BASE; MATERIAL; PHOTOGRAPH; PRINT; FUSE; LAYER; WRITING; CONDUCTING; LAYER; SUBSTRATE; SPLICE; GELATIN; TOP; COAT

Derwent Class: A89; G06; P75; P83; S06

International Patent Class (Main): G03C-001/76; G03C-001/85

International Patent Class (Additional): B41M-005/38; G03C-001/795

File Segment: CPI; EPI; EngPI

16/5/6 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012181940 \*\*Image available\*\*

WPI Acc No: 1998-598853/199851

XRPX Acc No: N98-466243

Automatic radiation transmission photographic film edge masking method for use during inspection of welding portion of steel pipe - involves detecting boundary position of transparent portion and general density portion after obtaining coordinate position, based on which shading mask is positioned along a weld line direction

Patent Assignee: KAWASAKI HEAVY IND LTD (KAWJ ); KAWASAKI STEEL CORP (KAWI )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10268452	A	19981009	JP 9789973	A	19970326	199851 B
JP 3278686	B	20020430	JP 9789973	A	19970326	200230

Priority Applications (No Type Date): JP 9789973 A 19970326

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 10268452	A	23		G03B-042/02	
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JP 3278686	B	24		G03B-042/02	Previous Publ. patent JP 10268452
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Abstract (Basic): JP 10268452 A

The method involves shading transparent portion of the edge of radiation transmission photographic film (4) using a shading mask while taking photograph of light signal transmitted from image input device. The brightness distribution along direction of weld line, on the radiation transmission photographic film, optical density distribution

or photoelectric current distribution is measured automatically by photodetectors (16p).

The coordinate position on a radiation transmission photographic film indicating sudden change in variation rate of brightness, optical density or photoelectric current distribution along weld line direction, is obtained from the measured result. The boundary position of the transparent portion and general density portion is detected based on which positioning of the shading mask along the welding line direction is performed.

ADVANTAGE - Prevents halation due to high intensity transmission light, reliably. Eliminates complication in regulation of camera due to density difference of radiation transmission **photographic** film.

Improves detection ability of **defective image**.

Dwg.1/22

Title Terms: AUTOMATIC; RADIATE; TRANSMISSION; PHOTOGRAPH; FILM; EDGE; MASK ; METHOD; INSPECT; WELD; PORTION; STEEL; PIPE; DETECT; BOUNDARY; POSITION ; TRANSPARENT; PORTION; GENERAL; DENSITY; PORTION; AFTER; OBTAIN; COORDINATE; POSITION; BASED; SHADE; MASK; POSITION; WELD; LINE; DIRECTION

Derwent Class: P82; S03

International Patent Class (Main): G03B-042/02

International Patent Class (Additional): G01N-023/04; G01N-023/18

File Segment: EPI; EngPI

16/5/7 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011743654 \*\*Image available\*\*

WPI Acc No: 1998-160564/199815

XRPX Acc No: N98-127663

Blank **edge** photographic print manufacturing method - identifies edges of each film frame during stepped movement of film strip for masking defined edge during printing

Patent Assignee: EASTMAN KODAK CO (EAST )

Inventor: FOREST P H; MANICO J A; PATTON D L

Number of Countries: 003 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19734160	A1	19980305	DE 1034160	A	19970807	199815 B
US 5748289	A	19980505	US 96705468	A	19960829	199825
JP 10090804	A	19980410	JP 97232464	A	19970828	199825

Priority Applications (No Type Date): US 96705468 A 19960829

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 19734160	A1	18		G03C-011/02	
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US 5748289	A	17		G03B-027/58	
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JP 10090804	A	15		G03B-027/52	
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Abstract (Basic): DE 19734160 A

The method provides individual **photographic prints** (10) which have a **blank** edge (14) along which information can be printed from a film strip in which the successive film frames are aligned in different directions. It detects the alignment direction of each film frame during stepped movement of the film strip relative to a film window and identifying the top, bottom and side edges (18,16,20,22). A selected edge of each film frame is masked during exposure for providing a **blank** edge on the obtained **photographic print**, used for recording the required information.

USE - For **automatic film** printing machine.

ADVANTAGE - Allows customer to record information relating to photograph along edge of print.

Dwg.1/19

Title Terms: BLANK; EDGE; PHOTOGRAPH; PRINT; MANUFACTURE; METHOD; IDENTIFY;

EDGE; FILM; FRAME; STEP; MOVEMENT; FILM; STRIP; MASK; DEFINE; EDGE; PRINT  
Derwent Class: P82; P83; S06  
International Patent Class (Main): G03B-027/52; G03B-027/58; G03C-011/02  
International Patent Class (Additional): G03B-027/62  
File Segment: EPI; EngPI

16/5/8 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010618825 \*\*Image available\*\*  
WPI Acc No: 1996-115778/199612  
XRPX Acc No: N96-096842

Photographic camera appts. for moving exposed film section into camera -  
has control mechanism for automatically advancing succeeding unexposed  
film portion to exposure gate upon reactivation of camera and from  
exposure gate to curl-developing area  
Patent Assignee: EASTMAN KODAK CO (EAST )  
Inventor: WEAVER D J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5489957	A	19960206	US 94276388	A	19940718	199612 B

Priority Applications (No Type Date): US 94276388 A 19940718

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5489957	A	11	G03B-001/18	

Abstract (Basic): US 5489957 A

The photographic camera where successive unexposed sections of a filmstrip are exposed, is characterised by a time determiner for determining a predetermined period of camera inactivity. A film moving device moves an unexposed film section from a curl-developing area to a curl-defeating area after a predetermined period of camera inactivity as determined.

The camera includes an exposure gate at which successive unexposed sections of a filmstrip are exposed, and film advancing device for automatically advancing an unexposed film section from the curl-defeating area to the exposure gate upon reuse of the camera. An exposure gate, a body, and a film cartridge chamber and a take-up chamber contained within the body, where the curl-developing area is between the cartridge chamber and the exposure gate.

ADVANTAGE - Prevents onset of reverse curl. effects of heat, humidity and time on exposed sections of filmstrip are minimised.

Dwg.2a/7

Title Terms: PHOTOGRAPH; CAMERA; APPARATUS; MOVE; EXPOSE; FILM; SECTION; CAMERA; CONTROL; MECHANISM; AUTOMATIC; ADVANCE; SUCCEEDING; UNEXPOSED; FILM; PORTION; EXPOSE; GATE; REACTIVATION; CAMERA; EXPOSE; GATE; CURL; DEVELOP; AREA

Derwent Class: P82; S06; V06

International Patent Class (Main): G03B-001/18

File Segment: EPI; EngPI

16/5/9 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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010560976 \*\*Image available\*\*  
WPI Acc No: 1996-057930/199606  
XRPX Acc No: N96-048356

Camera designed for film unit with information recording portion - has controller to actuate driving system which can draw out unexposed frame,

advance film and rewind it in function of data stored in recording portion

Patent Assignee: NIKON CORP (NIKR )

Inventor: INOUE H; KAZAMI K; TOMINO N

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5479226	A	19951226	US 91651986	A	19910207	199606 B
			US 91672881	A	19910321	
			US 91672917	A	19910321	
			US 92834369	A	19920212	
			US 94308201	A	19940919	
			US 95396537	A	19950228	

Priority Applications (No Type Date): JP 9076715 A 19900328; JP 9030506 A 19900209; JP 9071975 A 19900323

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5479226	A	30		G03B-017/24	CIP of application US 91651986
					CIP of application US 91672881
					CIP of application US 91672917
					Cont of application US 92834369
					Cont of application US 94308201

Abstract (Basic): US 5479226 A

The camera is adapted to be loaded with a film unit having film including a number of frames, a cartridge and information recordable device. The camera includes a device (2) for recording to the information-recordable device information indicative of which of the frames of the film are exposed. A reproducing device (3) reads out the information relating to exposed frames.

A film driving device draws out an **unexposed frame** and brings it to a **photographing** position. Then it advances the film in a direction determined according to a set winding mode. It then rewinds the film in order to take the film unit out of the camera. A control device (9) is responsive to the information read out by the reproducing device, it discriminates the unexposed frame to be exposed first and causes the film driving device to perform according to the need.

**ADVANTAGE** - If next frame is exposed frame, **film** is rewind **automatically** thus preventing double exposure. Uses several recording areas thus eliminating problem caused by overwritten data.

Dwg.1,2/13

Title Terms: CAMERA; DESIGN; FILM; UNIT; INFORMATION; RECORD; PORTION; CONTROL; ACTUATE; DRIVE; SYSTEM; CAN; DRAW; UNEXPOSED; FRAME; ADVANCE; FILM; REWIND; FUNCTION; DATA; STORAGE; RECORD; PORTION

Derwent Class: P82; S06; T03

International Patent Class (Main): G03B-017/24

File Segment: EPI; EngPI

16/5/10 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009714304 \*\*Image available\*\*

WPI Acc No: 1993-407857/199351

XRPX Acc No: N93-315719

**Disposable camera manufacturing system** - includes steps of fitting film spool during manufacturing process to give increased length of film available for exposure

Patent Assignee: FUJI PHOTO FILM CO LTD (FUJF )

Inventor: KATSUJI M; SHOJI I; IWAMOTO S; MURAMATSU K

Number of Countries: 005 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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FR 2691266	A1	19931119	FR 935967	A	19930518	199351	B
CN 1080063	A	19931229	CN 93105058	A	19930518	199516	
US 5548364	A	19960820	US 9362983	A	19930518	199639	
			US 94340370	A	19941114		
JP 9061968	A	19970307	JP 92132843	A	19920525	199720	
KR 168871	B1	19990330	KR 938477	A	19930518	200044	
US 6233400	B1	20010515	US 9362983	A	19930518	200129	
			US 94340370	A	19941114		
			US 96607305	A	19960226		

Priority Applications (No Type Date): JP 92135375 A 19920527; JP 92124518 A 19920518; JP 92132842 A 19920525; JP 92132843 A 19920525

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2691266	A1	69		G03B-019/04	
CN 1080063	A			G03B-019/04	
US 5548364	A	34		G03B-017/42	Cont of application US 9362983
JP 9061968	A	8		G03C-003/00	
KR 168871	B1			G03B-017/00	
US 6233400	B1			G03B-017/42	Cont of application US 9362983 Div ex application US 94340370 Div ex patent US 5548364

Abstract (Basic): FR 2691266 A

The procedure consists of loading the camera (11) with the film during the assembly stages. The camera incorporates one chamber (23) for a roll of unexposed film (21) and a second chamber (24) which holds the cassette (22) onto which the film is rolled as it is exposed.

During operation the film wind mechanism (18) takes the exposed film into the cassette, indicates the number of exposures used and cocks the shutter ready for the next shot. The film is fitted into the camera in darkroom conditions, and its position ensures that the whole length of the film is suitable for exposure.

ADVANTAGE - Increased number of exposures available from given length of film, especially suitable for disposable camera.

Dwg.2/27

Title Terms: DISPOSABLE; CAMERA; MANUFACTURE; SYSTEM; STEP; FIT; FILM; SPOOL; MANUFACTURE; PROCESS; INCREASE; LENGTH; FILM; AVAILABLE; EXPOSE

Derwent Class: P82; P83

International Patent Class (Main): G03B-017/00; G03B-017/42; G03B-019/04; G03C-003/00

International Patent Class (Additional): G03B-017/02; G03B-017/28

File Segment: EngPI

16/5/11 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009475296 \*\*Image available\*\*

WPI Acc No: 1993-168831/199321

XRPX Acc No: N93-129260

Photographic copier with automatic changing of film reels - has supply and take-up reels alternately moving between working position and waiting position

Patent Assignee: GRETAG IMAGING AG (GRET )

Inventor: HALLER H

Number of Countries: 009 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 543069	A1	19930526	EP 91810903	A	19911120	199321 B
CA 2083182	A	19930521	CA 2083182	A	19921118	199332
US 5337118	A	19940809	US 92979001	A	19921119	199431
EP 543069	B1	19960731	EP 91810903	A	19911120	199635
DE 59108055	G	19960905	DE 508055	A	19911120	199641
			EP 91810903	A	19911120	

CA 2083182	C	20020611	CA 2083182	A	19921118	200247
JP 3309144	B2	20020729	JP 92335358	A	19921120	200256

Priority Applications (No Type Date): EP 91810903 A 19911120  
Cited Patents: AT 335844; DE 3538082; DE 3737788; DE 3744002; US 4269370

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 543069	A1	G	20	G03B-027/46	
Designated States (Regional): CH DE FR GB IT LI					
CA 2083182	A			G03B-027/46	
US 5337118	A		18	G03B-027/32	
EP 543069	B1	G	25	G03B-027/46	
Designated States (Regional): CH DE FR GB IT LI					
DE 59108055	G			G03B-027/46	Based on patent EP 543069
CA 2083182	C	E		G03B-027/46	
JP 3309144	B2		12	G03B-027/46	Previous Publ. patent JP 5265100

Abstract (Basic): EP 543069 A

The photographic copier allows the film frames along negative film strips (N) to be printed onto a photographic paper web as both are indexed in synchronism through an exposure station (2). The transport path (T) for the film strip (N) to be printed is above the feed path for the photographic paper web (F).

The film strip (N) is fed from one of two alternate supply reels (5, 6) onto one of two alternate take-up reels (7, 8). Each of the reels which is not in use (6, 8) lies in a waiting position directly behind that which is in use (5, 7) along the line defined by the transport path (T) for the film strip (N).

ADVANTAGE - Allows **automatic** changing between **film** reels for high-speed processing of large quantity of film.

Dwg.1/9

Title Terms: PHOTOGRAPH; COPY; AUTOMATIC; CHANGE; FILM; REEL; SUPPLY; UP; REEL; ALTERNATE; MOVE; WORK; POSITION; WAIT; POSITION

Derwent Class: P82; S06

International Patent Class (Main): G03B-027/32; G03B-027/46

International Patent Class (Additional): G03B-027/52; G03B-027/58

File Segment: EPI; EngPI

16/5/12 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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009006810 \*\*Image available\*\*

WPI Acc No: 1992-134115/199217

XRPX Acc No: N92-100084

Contact image reproduction unit - has membrane and seal forming vacuum chamber to eliminate air bubbles and improve quality of images

Patent Assignee: VISAGE A (VISA-I); VISAGE A B (VISA-I)

Inventor: VISAGE A; VISAGE A B

Number of Countries: 015 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 481861	A	19920422	EP 91402727	A	19911011	199217 B
FR 2667957	A1	19920417	FR 9012686	A	19901015	199223
US 5144365	A	19920901	US 91775725	A	19911011	199238
EP 481861	B1	19960605	EP 91402727	A	19911011	199627
DE 69120015	E	19960711	DE 620015	A	19911011	199633
			EP 91402727	A	19911011	

Priority Applications (No Type Date): FR 9012686 A 19901015

Cited Patents: DE 2356842; FR 1072870; GB 1125545; US 3834815

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 481861	A	F	9		

US 5144365 A 7 G03B-027/20  
EP 481861 B1 F 7 G03B-027/20  
Designated States (Regional): AT BE CH DE DK ES GB GR IT LI LU NL SE  
DE 69120015 E G03B-027/20 Based on patent EP 481861  
FR 2667957 A1 G03B-027/02

Abstract (Basic): EP 481861 A

The contact image reproduction unit, using a photographic film (1) and an original transparency (2), consists of a support (3) with an aperture (4), a frame (5) and a pressure element (6). The support is in the form of a plate (7), while the frame comprises a housing (8) with a central aperture (9) situated opposite the aperture in the support (4) but of larger dimensions, with a seal (10) surrounding the apertures and a membrane (11) passing beneath the pressure element so that a vacuum can be created between them.

The pressure element (6) is in the form of a plate which is held by springs (13) against the surface of the membrane lying opposite the film and the transparency.

ADVANTAGE - Eliminates air bubbles between transparency and film to give higher quality images.

Dwg.1/6

Title Terms: CONTACT; IMAGE; REPRODUCE; UNIT; MEMBRANE; SEAL; FORMING; VACUUM; CHAMBER; ELIMINATE; AIR; BUBBLE; IMPROVE; QUALITY; IMAGE

Derwent Class: P82

International Patent Class (Main): G03B-027/02; G03B-027/20

International Patent Class (Additional): G03B-027/18

File Segment: EngPI

16/5/13 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007999346

WPI Acc No: 1989-264458/198937

XRAM Acc No: C89-117358

XRPX Acc No: N89-201612

Reducing defect density in copying on photographic plate - by vapour deposition of chromium to specified fog density and repeating when necessary

Patent Assignee: VEB MIKROEL SEGHERS (MIKR-N)

Inventor: GERSTNER H; KNAUER H; LUKAS J; SCHINDHELM K; WAGNER M; WEIGEL R; WEIGELT S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DD 266718	A	19890412	DD 289825	A	19860430	198937 B

Priority Applications (No Type Date): DD 289825 A 19860430

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DD 266718	A		4		

Abstract (Basic): DD 266718 A

Redn. of defect density in copying of Cr or Cr oxide patterns on photographic plates, which are used as originals for photographic patterns, have mainly transparent areas and are copied in the contact process, involves vapour deposition of a thin Cr film on the original, to give a Cr film with a fog density of 0.15-0.25, and repeating vapour deposition when the min. fog density reaches 0.1.

Pref. vapour deposition of Cr is carried out before the original pattern is copied on the photographic plate.

USE/ADVANTAGE - The photographic originals are used in the prodn. of semiconductor devices by contact copying. Premature wear of the copying patterns is avoided and the average defect density level is

reduced  
Title Terms: REDUCE; DEFECT; DENSITY; COPY; PHOTOGRAPH; PLATE; VAPOUR;  
DEPOSIT; CHROMIUM; SPECIFIED; FOG; DENSITY; REPEAT; NECESSARY  
Derwent Class: G06; P84; S06  
International Patent Class (Additional): G03F-001/00  
File Segment: CPI; EPI; EngPI

16/5/14 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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004597845  
WPI Acc No: 1986-101189/198616

XRPX Acc No: N86-074140  
Automatic removal of film from cassette - has radial grips on  
cassette body and axial plunger to remove film

Patent Assignee: AGFA-GEVAERT AG (GEVA )

Inventor: DOEMGES G; KUGEL R; WURFEL R; ZANGENFEIN H

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3437045	A	19860410	DE 3437045	A	19841009	198616 B
US 4621970	A	19861111	US 85778609	A	19850920	198648
DE 3437045	C	19880107				198801
CH 669467	A	19890315				198916
IT 1182889	B	19871005				199039

Priority Applications (No Type Date): DE 3437045 A 19841009

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 3437045	A	23		

Abstract (Basic): DE 3437045 C

The cassette (1) is gripped by four claws, or friction grip rollers, around its circumference and held between two flanges. One flange (20) rotates the reel to wind in the film and both flanges push the reel axially out of the cassette and into the next processing chamber (11).

The grips (13) can grip the lipped cover at one end of the cassette and move radially in a synchronised drive to centre and hold the cassette. The cassettes are aligned automatically into the opening position.

ADVANTAGE - No damage to film or film reel, fully automatic process. (23pp Dwg.No 2,4/6)

Title Terms: AUTOMATIC; REMOVE; FILM; CASSETTE; RADIAL; GRIP; CASSETTE; BODY; AXIS; PLUNGE; REMOVE; FILM

Derwent Class: P84; Q33

International Patent Class (Additional): B65D-049/12; G03D-013/00

File Segment: EngPI

16/5/15 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
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001408076

WPI Acc No: 1975-57785W/197535

Photopolymerisable photographic materials - contg. aromatic diazo cpds.

Patent Assignee: RICOH KK (RICO )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 50019425	A	19750228				197535 B

Priority Applications (No Type Date): JP 7367836 A 19730618

Abstract (Basic): JP 50019425 A

Photopolymer type photosensitive compsns. consisting of arom. diazo cpds. which produce cationic polymn. initiators upon exposure to light and cation-polymerisable monomers are coated on supports to give photosensitive sheets, which are imagewise exposed to form latent **images** and **developed** by dissolving the **unexposed** areas with an appropriate solvent to give visible images. The photosensitive materials exhibit high sensitivity and good thermal stability. In an example, 2,5-dibutony-4-morpholino-benzenediazonium tetrafluoroborate 0.2g adn N-vinylcarbazole 2.0 g were dissolved in EtCOMe 20 ml and coated on a polyester support to **give** a photosensitive **film** which was exposed through a pos. original to a 40-W fluorescent lamp at 6 cm for 60 sec, and developed with alc. to give a neg. image.

Title Terms: PHOTOPOLYMERISE; PHOTOGRAPH; MATERIAL; CONTAIN; AROMATIC; DIAZO; COMPOUND

Derwent Class: A14; A89; G06

File Segment: CPI

18/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06785600 \*\*Image available\*\*  
METHOD AND DEVICE FOR INSPECTING TIRE

PUB. NO.: 2001-013081 [JP 2001013081 A]  
PUBLISHED: January 19, 2001 (20010119)  
INVENTOR(s): OI HIDEO  
APPLICANT(s): BRIDGESTONE CORP  
APPL. NO.: 11-188416 [JP 99188416]  
FILED: July 02, 1999 (19990702)  
INTL CLASS: G01N-021/88; B60C-019/00; G01B-011/24; G01B-011/28;  
G01M-017/02

#### ABSTRACT

PROBLEM TO BE SOLVED: To easily and quickly find a defective part, and to accurately and efficiently inspect a tire to be inspected by detecting the defective part based on an image signal, and by making the failed part for displaying the image signal on a monitor.

SOLUTION: By a laser-type non-destructive inspection machine 1, the image of the inside of a vulcanized tire in normal and reduced pressure states is irradiated with a laser beam for picking up an image by an image pickup means 2 such as a CCD camera, an image signal with a white and black shading base is processed by an image processor 3 for marking a defective part for displaying on a monitor 4, and the quality of a tire is inspected. The image signal outputted from the image pickup means 2 is converted into a digital image signal by an A/D conversion part 5 for supplying to Shearography image processing part 6. In the Shearography image processing part 6, the image signal in normal and reduced pressure states at the same part of the tire to be inspected is processed, the Shearography image signal of the white and black gray tone is generated, and the image signal is supplied to a marking processing part 7.

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18/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06672572 \*\*Image available\*\*  
DEFECT INSPECTION METHOD AND DEVICE AND DEFECT INSPECTION SUPPORT METHOD

PUB. NO.: 2000-258398 [JP 2000258398 A]  
PUBLISHED: September 22, 2000 (20000922)  
INVENTOR(s): ASANO TOSHIRO  
SAKAI KAORU  
TAGUCHI TETSUO  
TANAKA ISAO  
APPLICANT(s): HITACHI LTD  
APPL. NO.: 11-067091 [JP 9967091]  
FILED: March 12, 1999 (19990312)  
INTL CLASS: G01N-027/84; G01N-021/91

#### ABSTRACT

PROBLEM TO BE SOLVED: To improve reliability for inspecting a defect by enabling a defect candidate to be verified easily by the visual inspection of an image or the like and the defect to be verified by all means.

SOLUTION: In a defect inspection according to the magnetic powder flaw detection method for applying ultraviolet rays to a test piece 1 and emitting fluorescence by a crack defect 2a, the image of the surface of the

test piece 1 is picked up by a color television camera 3 via an ultraviolet ray cut filter 5. An original picture according to R, G, and B signals being outputted from the color television camera 3 is stored in an image memory 7 temporarily. The original picture is displayed on a color monitor 9, at the same time a computer 8 **processes** a G **image** and detects a **defect** candidate, and adds and displays a defect candidate marker for each defect candidate in the original picture being displayed on the color **monitor** 9. An inspector determines the **defect** candidate in the original picture according to the defect candidate marker and visually verifies whether the defect is a true crack defect or a pseudo defect for the defect candidate. The original picture image and an inspection result are stored in a data storage 11.

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18/5/3 (Item 3 from file: 347)  
DIALOG(R)File 347:JAPIO  
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06346594 \*\*Image available\*\*  
METHOD FOR MONITORING DEFECT OF PHOTORECEPTOR SURFACE IN IMAGE  
PROCESSOR

PUB. NO.: 11-288198 [JP 11288198 A]  
PUBLISHED: October 19, 1999 (19991019)  
INVENTOR(s): BUDNIK ROGER W  
PACER JAMES M  
RAJ GURU B  
SHOEMAKER RALPH A  
SWALES MICHAEL G  
APPLICANT(s): XEROX CORP  
APPL. NO.: 11-044072 [JP 9944072]  
FILED: February 23, 1999 (19990223)  
PRIORITY: 35137 [US 35137], US (United States of America), March 05,  
1998 (19980305)  
INTL CLASS: G03G-021/00; G03G-021/00

#### ABSTRACT

PROBLEM TO BE SOLVED: To attain efficient trouble shooting by easily and automatically detecting the failure of a photoreceptor in a copying machine having complicated multiple functions.

SOLUTION: A photoreceptor patch uniformity test 128 is executed as one of tests for detecting the failure. In the test, a sample is obtained every 1.5 mm in the whole of the surface of the photoreceptor by a black toner area covering level sensor (BTAC). Seam detecting algorism is used, a seam sample is thrown away and a value for showing the total uniformity of a cleaning belt is calculated from the residual samples. This value is used as a reference value. Since the position of a seam is judged, the position of each process control patch and a corresponding BTAC reading value can be analyzed. An average and dispersion are obtained in each patch and compared with the reference value. The uniformity of each position is calculated by a statistical analysis and compared with the reference value. When the uniformity is lower than its permissible level, an operator is informed of the exchange of a belt.

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18/5/4 (Item 4 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05726952 \*\*Image available\*\*  
SURFACE DEFECT INSPECTING DEVICE

PUB. NO.: 10-010052 [JP 10010052 A]  
PUBLISHED: January 16, 1998 (19980116)  
INVENTOR(s): IMANISHI MASANORI  
SUZUKI YUTAKA  
YOSHIDA KIYOSHI  
APPLICANT(s): NISSAN MOTOR CO LTD [000399] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 08-166357 [JP 96166357]  
FILED: June 26, 1996 (19960626)  
INTL CLASS: [6] G01N-021/88; G01B-011/30  
JAPIO CLASS: 46.2 (INSTRUMENTATION -- Testing); 14.7 (ORGANIC CHEMISTRY --  
Coating Material Adhesives); 26.2 (TRANSPORTATION -- Motor  
Vehicles); 46.1 (INSTRUMENTATION -- Measurement)  
JAPIO KEYWORD: R098 (ELECTRONIC MATERIALS -- Charge Transfer Elements, CCD &  
CCD)

#### ABSTRACT

PROBLEM TO BE SOLVED: To perform a more precise detection without  
erroneously detecting an extremely thin irregularity as defect by  
extracting a defect candidate from the luminance change of an image data,  
and judging whether it is a **defect** or not from two **images processed**  
in time series.

SOLUTION: A prescribed brightness pattern is projected on a surface 1a to  
be inspected by a lighting means 2, its image is taken by an image pickup  
means 3, and the brightness pattern is converted into an image data of  
electric signal. An image processing means 4 extracts, from the image data,  
only a high frequency component of spatial frequency components, or a  
component which is a luminance changed part and has a level of a prescribed  
value or more as **defect** candidate. A **tracking** processing means 5  
executes a prescribed processing by the means 4 every optional time while  
moving the surface 1a to be inspected, or at least either one of the means  
2 and the means 3. It is judged whether the resulting two continued images  
processed in time series are fitted to a prescribed comparing condition or  
not, and the fitted defect candidate is judged as defect.

18/5/5 (Item 5 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05461670 \*\*Image available\*\*  
PRINTED MATTER INSPECTING DEVICE

PUB. NO.: 09-076470 [JP 9076470 A]  
PUBLISHED: March 25, 1997 (19970325)  
INVENTOR(s): NISHIDA MASASHI  
SATO HIROSHI  
APPLICANT(s): DAINIPPON PRINTING CO LTD [000289] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 07-241911 [JP 95241911]  
FILED: September 20, 1995 (19950920)  
INTL CLASS: [6] B41F-033/14; G01N-021/89  
JAPIO CLASS: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 46.2  
(INSTRUMENTATION -- Testing)  
JAPIO KEYWORD: R012 (OPTICAL FIBERS)

#### ABSTRACT

PROBLEM TO BE SOLVED: To conduct stable defect inspection by measuring the  
number of picture elements exceeding a predetermined level difference  
within a predetermined rectangular area of a defect determination  
**processing** unit of **defect** candidate **image** and determining a **defect**

when the number of **picture** elements exceeds a predetermined number of **picture** elements.

**SOLUTION:** A picture pattern of a printed matter 4 is made to be an image data by a camera 11 of an input section 10, converted into digital form, and inputted to a processing section 30 through an optical fiber 8. The section 30 obtains a monochrome data from a color data obtained by shading correction of the input, it is stored in a reference image or inspection image memory, and an absolute value of difference is calculated at each picture element in consideration of quantity of misregistration. Corresponding images of a difference image memory and a threshold image memory of this value are compared. Only a difference value which exceeds a threshold value is stored in a defect correction image memory. From combination of the reference image, a level difference of each picture element of a defect image, and the number of picture elements exceeding the value of the picture element, a type of a defect is discriminated. The **defect** is displayed on a **monitor** 41 by an operation section 40 and an alarm is issued. Accordingly, defective parts in one screen can be determined individually and stable inspection can be done without complicated processing.

18/5/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO

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05190409 \*\*Image available\*\*

DETECTING EQUIPMENT OF DEFECT

PUB. NO.: 08-145909 [JP 8145909 A]

PUBLISHED: June 07, 1996 (19960607)

INVENTOR(s): KOMORI MITSUO

OGAWA TOMOHIRO

IWASAKI HIROSHI

KITSUI HIROYUKI

SATO YOSHITAKA

APPLICANT(s): TOSHIBA ENG CO LTD [416142] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 06-280980 [JP 94280980]

FILED: November 15, 1994 (19941115)

INTL CLASS: [6] G01N-021/89; G06T-007/00

JAPIO CLASS: 46.2 (INSTRUMENTATION -- Testing); 45.9 (INFORMATION PROCESSING -- Other)

JAPIO KEYWORD: R057 (FIBERS -- Non-woven Fabrics); R102 (APPLIED ELECTRONICS -- Video Disk Recorders, VDR); R138 (APPLIED ELECTRONICS -- Vertical Magnetic & Photomagnetic Recording)

#### ABSTRACT

**PURPOSE:** To obtain detecting equipment of a defect which makes it possible to dispense with a camera and a control device being exclusive for NG freezing and to freeze an NG image simultaneously and in parallel with execution of defect inspection and has excellent operability.

**CONSTITUTION:** This equipment has an NG freezing function (an NG determination circuit 13 and CPU 19) which receives image data from a camera 1 as an input in parallel with an **image** processing and makes an **image** of a **defect** displayed in a **monitor** 11, while making it stored in a video device 15 and an MO disk 17, in the case when the **defect** is detected by the **image** processing .

18/5/7 (Item 7 from file: 347)

DIALOG(R)File 347:JAPIO

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03074636 \*\*Image available\*\*

SILVER SALT FILM SYSTEM CAMERA

PUB. NO.: 02-050136 [JP 2050136 A]  
PUBLISHED: February 20, 1990 (19900220)  
INVENTOR(s): HOSHINO YASUSHI  
SUGIYAMA KAZUHIRO  
OTA YOSHITAKA  
SHIMADA MASAKI  
APPLICANT(s): KONICA CORP [000127] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 63-200069 [JP 88200069]  
FILED: August 12, 1988 (19880812)  
INTL CLASS: [5] G03B-007/00; G03B-019/02  
JAPIO CLASS: 29.1 (PRECISION INSTRUMENTS -- Photography & Cinematography)  
JAPIO KEYWORD: R011 (LIQUID CRYSTALS); R098 (ELECTRONIC MATERIALS -- Charge  
Transfer Elements, CCD & BBD)  
JOURNAL: Section: P, Section No. 1045, Vol. 14, No. 219, Pg. 47, May  
09, 1990 (19900509)

ABSTRACT

PURPOSE: To secure an image in response to the needs of a photographer by confirming the image photographed on silver salt film by viewing the image on a display means just after photographing and overexposing the image on the film when the photographer judges that the image does not meet the needs.

CONSTITUTION: One field of image information obtained after outputting a first SG pulse just after photographing is stored in a memory for display 10 and, thereafter, writing in the memory 10 is inhibited. The image information in the memory for display 10 is outputted to a monitor 13 through a D/A converter 11 and a signal processing circuit 12 and a still image nearly same as the image stored on the silver salt film 5 is reproduced to be displayed on the monitor 13. Therefore, the normal/defective condition of photographing the image on the film 5 can be instantaneously judged. When the photographer judges that the image does not meet the needs from the image on the monitor 13, the image on the silver salt film 5 can be overexposed by turning on an NG button 20 which is a manual operation means. Thus, the image in response to the needs of the photographer can be secured.

18/5/8 (Item 8 from file: 347)

DIALOG(R)File 347:JAPIO  
(c) 2003 JPO & JAPIO. All rts. reserv.

03063453 \*\*Image available\*\*  
SURFACE DEFECT INSPECTION DEVICE

PUB. NO.: 02-038953 [JP 2038953 A]  
PUBLISHED: February 08, 1990 (19900208)  
INVENTOR(s): MIYAKE HIDEKAZU  
MASUNO YASUHIKO  
MEJIKA SETSUO  
SENBA TAKASHI  
YOSHIDA MAMORU  
APPLICANT(s): KAWASAKI STEEL CORP [000125] (A Japanese Company or  
Corporation), JP (Japan)  
MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 63-189899 [JP 88189899]  
FILED: July 29, 1988 (19880729)  
INTL CLASS: [5] G01N-021/89  
JAPIO CLASS: 46.2 (INSTRUMENTATION -- Testing); 12.5 (METALS -- Working)  
JAPIO KEYWORD: R002 (LASERS)  
JOURNAL: Section: P, Section No. 1039, Vol. 14, No. 195, Pg. 75, April

20, 1990 (19900420)

ABSTRACT

PURPOSE: To perform high-accuracy inspection at high speed by making a primary decision on the kind and grade of a surface defect by a computer, then moving a projector and a camera in the width direction of an object material of surface **defect** inspection and obtaining a still **image** by **photography**, and making a secondary decision.

CONSTITUTION: A steel plate 10 and a detector 12 project light on the surface and detect its reflected light, and the computer 16 decides (primary decision) on the kind and grade of the surface defect through a defect detecting circuit 14 and also calculates the lateral position of the defect. A control circuit 22 drives a moving device 21 according to the lateral position information of the defect from the computer 16 and moves the stroboscopic device 18 and camera 20, thereby setting a photographic point. Further, the control circuit 22 makes the stroboscopic device 18 emits light when the surface **defect** reaches the **photographic** point Xa of the camera 20 to photograph the surface defect and an inspector makes the secondary decision on a surface **defect** image displayed on a **monitor** 30 as the still image.

18/5/9 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

014876077 \*\*Image available\*\*

WPI Acc No: 2002-696783/200275

XRPX Acc No: N02-549294

Amount monitoring method for unexposed photographic film remaining in film magazine, involves reading film length data from transparent magnetic recording layer to provide indication of remaining film

Patent Assignee: EASTMAN KODAK CO (EAST )

Inventor: ANDERSON C C; JAMES R O; MARKHAM D C; UHLIG R E; WALKER K A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6422702	B1	20020723	US 99409292	A	19990930	200275 B

Priority Applications (No Type Date): US 99409292 A 19990930

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6422702	B1	13		G03B-001/60	

Abstract (Basic): US 6422702 B1

NOVELTY - Film length data are read from a transparent magnetic recording layer to provide an indication of the amount of unexposed film remaining in a film magazine (40) when the film is removed from the film magazine.

USE - For **unexposed photographic** film remaining in film magazine used in e.g. motion picture production, television production, multimedia production.

ADVANTAGE - Ensures easy and accurate determination of remaining film amount in film magazine. Shows amount of remaining unexposed film in film magazine.

DESCRIPTION OF DRAWING(S) - The figure shows the side view of a motion picture camera film magazine.

Film magazine (40)

pp; 13 DwgNo 3/6

Title Terms: AMOUNT; MONITOR; METHOD; UNEXPOSED; PHOTOGRAPH; FILM; REMAINING; FILM; MAGAZINE; READ; FILM; LENGTH; DATA; TRANSPARENT; MAGNETIC; RECORD; LAYER; INDICATE; REMAINING; FILM

Derwent Class: P82; S06; T03; T04

International Patent Class (Main): G03B-001/60

International Patent Class (Additional): G03B-007/00; G03B-019/18;

G03B-021/50  
File Segment: EPI; EngPI

18/5/10 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013389041 \*\*Image available\*\*

WPI Acc No: 2000-560979/200052

XRAM Acc No: C00-167522

XRPX Acc No: N00-415293

**Damage monitoring apparatus for detecting damage during cutting of steel plate, detects existence of damage by processing image taken by camera which photographs movement direction of cutting torch**

Patent Assignee: KOIKE SANZO KOGYO KK (KOIK )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000218364	A	20000808	JP 9922024	A	19990129	200052 B

Priority Applications (No Type Date): JP 9922024 A 19990129

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 2000218364	A	8		B23K-007/00	
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Abstract (Basic): JP 2000218364 A

NOVELTY - A CCD camera (8) takes photograph of the cutting torch (5) for melting and cutting a material, along the movement direction of the torch. The photographed image is processed to detect the existence of damage.

USE - For detecting damage during cutting of steel plate, steel pipe, stainless steel plate, non-ferrous metal plate, plywood and synthetic resin board.

ADVANTAGE - Since movement of cutting torch is photographed and the inclination of damage in the cut sheet is recognized, existence of foreign material in the cutting direction is detected.

DESCRIPTION OF DRAWING(S) - The drawing shows the CCD camera obtaining photograph of cutting torch along movement direction of cutting torch.

cutting torch (5)

CCD camera (8)

pp; 8 DwgNo 2/6

Title Terms: DAMAGE; MONITOR; APPARATUS; DETECT; DAMAGE; CUT; STEEL; PLATE; DETECT; EXIST; DAMAGE; PROCESS; IMAGE; CAMERA; PHOTOGRAPH; MOVEMENT; DIRECTION; CUT; TORCH

Derwent Class: M23; P55; P56; X24

International Patent Class (Main): B23K-007/00

International Patent Class (Additional): B23K-010/00; B23K-026/00;

B23Q-017/24

File Segment: CPI; EPI; EngPI

18/5/11 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013102807 \*\*Image available\*\*

WPI Acc No: 2000-274678/200024

XRPX Acc No: N00-206075

**Defect classification method for e.g. semiconductor manufacture**

Patent Assignee: HITACHI LTD (HITA )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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JP 2000057349 A 20000225 JP 98225083 A 1998081 A 1998081 B 200024 B

Priority Applications (No Type Date): JP 98225083 A 19980810

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
JP 2000057349 A 22 G06T-007/00

Abstract (Basic): JP 2000057349 A

NOVELTY - A **defective image**, which is obtained by **photographing** a tested target object, is classified in a classification category of a known element in the data for teaching acquired as the learning fault. When a new classification category is provided to the defective image to be classified, the data for teaching are updated and the new category is provided to the element. DETAILED DESCRIPTION - The correspondence relationship of defective images for teaching and the category corresponding to the type of defect is shown in the data for teaching. INDEPENDENT CLAIMS are also included for the following: a defect classification apparatus; and a formation method of the data for teaching.

USE - For e.g. semiconductor manufacture.

ADVANTAGE - Allows classification of defective image. Allows **defect** classification to be **tracked** in corresponding change of **defect** classification attribute which occurs due to fluctuation of semiconductor wafer manufacture process. Ensures reliable detection of new defect resulting from condition fluctuation of manufacture process, and notification of user on generation of new defect. DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of a defect classification device.

Dwg.2/15

Title Terms: DEFECT; CLASSIFY; METHOD; SEMICONDUCTOR; MANUFACTURE

Derwent Class: S03; T01; U11

International Patent Class (Main): G06T-007/00

International Patent Class (Additional): G01N-021/88; H01L-021/66

File Segment: EPI

18/5/12 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
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012932811 \*\*Image available\*\*

WPI Acc No: 2000-104658/200009

Related WPI Acc No: 2001-416519; 2002-204591

XRPX Acc No: N00-080322

High resolution mammography imaging apparatus using non-ionizing radiation

Patent Assignee: NELSON R S (NELS-I); ZACH R D (ZACH-I)

Inventor: NELSON R S; ZACH R D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5999836	A	19991207	US 95480760	A	19950606	200009 B
			US 96597447	A	19960202	

Priority Applications (No Type Date): US 96597447 A 19960202; US 95480760 A 19950606

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 5999836 A 32 A61B-005/00 CIP of application US 95480760

Abstract (Basic): US 5999836 A

NOVELTY - A shape compression plate provided with an opening is arranged near the breast so that the opening is positioned against the breast and a compression force is applied to the breast in a direction perpendicular to the surface of the compression plate.

DETAILED DESCRIPTION - A radiation detector senses the radiation passed through a portion of a breast from a non-ionizing radiation source containing an optical or acoustic radiation source. A radiation imager converts the detected radiation into a mammography image. A collimator is provided between the breast and the detector. An INDEPENDENT CLAIM is also included for obtaining mammography images.

USE - For obtaining mammography image. The acoustic optic apparatus are capable of application for non-medical applications such as inspection of container, **monitoring** industrial processes, material analysis, **defect** analysis etc.

ADVANTAGE - Enhances resolution of images obtained with non-ionizing radiation having narrow spectral bandwidth. Prevents scattering of radiation. Acquires additional information about tissue characteristics. Enables to obtain images with high spatial contrast resolution. Reduces effective volume of tissue sample. Enables to compress breast during imaging. Reduces effects of unwanted radiation. Enhances **image** reconstruction **process**. Discriminates **damaged** blood flow structures within tissue from that of healthy tissue. Enables to identify static and dynamic structures. Reduces acoustic problems encountered with skin-air interfaces during the imaging of irregular surfaces. Provides complex scanning geometries.

DESCRIPTION OF DRAWING(S) - The figure shows the side view of compression plate in mammography imaging apparatus.

pp; 32 DwgNo 20/20

Title Terms: HIGH; RESOLUTION; MAMMOGRAPHY; IMAGE; APPARATUS; NON; RADIATE

Derwent Class: P31; S03; S05

International Patent Class (Main): A61B-005/00

File Segment: EPI; EngPI

18/5/13 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012931211 \*\*Image available\*\*

WPI Acc No: 2000-103058/200009

Related WPI Acc No: 1991-365423

XRPX Acc No: N00-079776

**Semiconductor device manufacture for e.g. thin-film circuit board, magnetic disc, thin-film transistor**

Patent Assignee: HITACHI LTD (HITA )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11345848	A	19991214	JP 9041082	A	19900223	200009 B
			JP 99125490	A	19900223	
JP 3236833	B2	20011210	JP 9041082	A	19900223	200203
			JP 99125490	A	19900223	

Priority Applications (No Type Date): JP 9041082 A 19900223; JP 99125490 A 19900223

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11345848	A	9		H01L-021/66	Div ex application JP 9041082
JP 3236833	B2	8		H01L-021/66	Div ex application JP 9041082
					Previous Publ. patent JP 11345848

Abstract (Basic): JP 11345848 A

NOVELTY - The method involves **monitoring** the generation condition of a **defect** on a desired wafer based on the information about the defect displayed on a screen while manufacturing a semiconductor device.

DETAILED DESCRIPTION - The wafer, which went through a predetermined process, is **photographed** to detect any **defects**. The **image** of the detected **defect** is stored with the data specifying the

wafer. The stored image and data specifying the wafer are then displayed on screen. From the displayed data, a desired wafer is chosen and the data about the detected defect of the desired wafer are displayed on screen. The defect observed from the displayed data on the screen is then designated.

USE - For e.g. thin-film circuit board, magnetic disc, TFT.

ADVANTAGE - Simplifies search work since image index of e.g. foreign material does not need to be designated when performing image search of foreign material. Ensures improvement in product yield due to simple and effective countermeasure in foreign material reduction.

DESCRIPTION OF DRAWING(S) - The figure is a flowchart showing the operation flow until a foreign material image is recorded

Title Terms: SEMICONDUCTOR; DEVICE; MANUFACTURE; THIN; FILM; CIRCUIT; BOARD ; MAGNETIC; DISC; THIN; FILM; TRANSISTOR

Derwent Class: S03; T03; U11

International Patent Class (Main): H01L-021/66

International Patent Class (Additional): G01N-021/956

File Segment: EPI

18/5/14 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012520492 \*\*Image available\*\*

WPI Acc No: 1999-326598/199927

Related WPI Acc No: 1999-338040

XRAM Acc No: C99-096579

XRPX Acc No: N99-244973

**Detecting surface damage and/or contamination on nip roll faces in paper handling machines**

Patent Assignee: VALMET CORP (VALY )

Inventor: KARJALAINEN A; MAEENPAEAE T; SUOMI E; MAEENPAEA T

Number of Countries: 083 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9920836	A1	19990429	WO 98FI813	A	19981019	199927	B
FI 9704003	A	19990421	FI 974003	A	19971020	199930	
FI 9704255	A	19990421	FI 974255	A	19971117	199930	
AU 9895436	A	19990510	AU 9895436	A	19981019	199938	
EP 946822	A1	19991006	EP 98949021	A	19981019	199946	
			WO 98FI813	A	19981019		
JP 2001506326	W	20010515	WO 98FI813	A	19981019	200133	
			JP 99523308	A	19981019		
US 6270628	B1	20010807	WO 98FI813	A	19981019	200147	
			US 99331475	A	19990812		

Priority Applications (No Type Date): FI 974003 A 19971020

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9920836 A1 E 23 D21G-001/00

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

FI 9704003 A D21G-000/00

FI 9704255 A D21G-000/00

AU 9895436 A Based on patent WO 9920836

EP 946822 A1 E Based on patent WO 9920836

Designated States (Regional): AT DE FI FR GB IT SE

JP 2001506326 W 21 D21G-001/00 Based on patent WO 9920836

US 6270628 B1 D21F-011/00 Based on patent WO 9920836

Abstract (Basic): WO 9920836 A1

NOVELTY - Contamination and/or damage on the surfaces (11,12) forming a roll nip (N) in a paper handling machine such as a calender are detected by vibration monitors. The results are electronically processed based on the point of time of detecting the vibrations to locate the damage.

DETAILED DESCRIPTION - Contamination and/or damage on the surfaces (11,12) forming a roll nip (N) in a paper handling machine such as a calender are detected by vibration monitors. The results are electronically processed based on the point of time of detecting the vibrations to locate the damage (M1,M2) on the faces (11,12) monitored. The vibrations are detected by at least two sets of paired detectors (20,21) with one set mounted on bearing support means and the other set mounted on the mantle of the nip rolls. Preferred Features: The location of any damage is determined by the phase difference of the vibrations arriving at the different detectors. The detectors (20) placed near the roll bearings can also monitor the condition of said bearings. An impulse detector (25) records roll revolutions to help locate said damage around the roll periphery. Electronic processing means to reduce interference from outside sources and average the results to provide locating coordinates are disclosed as are analysis systems and links to display/alarm members.

USE - To monitor damage and/or contamination of nip roll surfaces and particularly in soft coated calender rolls.

ADVANTAGE - The relatively simple compact system can monitor fast enough to allow roll cleaning before permanent damage to the roll occurs.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic of the roll nip.

Roll faces (11,12)  
Vibration detectors (20,21)  
Impulse detector (25)  
Damage locations (M1,M2)  
Roll nip (N)  
pp; 23 DwgNo 2/5

Title Terms: DETECT; SURFACE; DAMAGE; CONTAMINATE; NIP; ROLL; FACE; PAPER; HANDLE; MACHINE

Derwent Class: F09; S02; S03; T06; X25

International Patent Class (Main): D21F-011/00; D21G-000/00; D21G-001/00

International Patent Class (Additional): D21F-007/00; G01H-001/00;

G01N-029/12

File Segment: CPI; EPI

18/5/15 (Item 7 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012160941 \*\*Image available\*\*

WPI Acc No: 1998-577853/199849

XRPX Acc No: N98-450609

Defect inspection apparatus for e.g. road surface, wall surface - has VTR that records image signal obtained by infrared TV camera which catches image of road surface containing portion for inspection to which light in planar shape is irradiated by infrared projector

Patent Assignee: HITACHI DENSHI LTD (HITN )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10260141	A	19980929	JP 9764027	A	19970318	199849 B

Priority Applications (No Type Date): JP 9764027 A 19970318

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 10260141	A	10		G01N-021/88	

Abstract (Basic): JP 10260141 A

The apparatus is mounted on a surveillance vehicle (1). An infrared projector (5) irradiates a planar like light beam to a road surface (2a) while the vehicle moves near the tested road. A visible beam TV camera (2) photograph the road surface from which the irradiated light reflects.

A video monitor detects the **defect** (6a) for inspection from the photographed image of the road surface. An infrared TV camera (7) catches the image of the road surface containing portion for inspection. A VTR records the image signal obtained by the infrared TV camera.

ADVANTAGE - Simplifies confirmation of road surface **defect** by reproducing **photographed image** of road surface recorded by VTR, thus exact and sure arrangement of repair operation become possible. Performs recording in patrol transit that serves as general road patrol without needing operator to board in vehicle.

Dwg.1/9

Title Terms: DEFECT; INSPECT; APPARATUS; ROAD; SURFACE; WALL; SURFACE; VTR; RECORD; IMAGE; SIGNAL; OBTAIN; INFRARED; TELEVISION; CAMERA; CATCH; IMAGE ; ROAD; SURFACE; CONTAIN; PORTION; INSPECT; LIGHT; PLANE; SHAPE; IRRADIATE; INFRARED; PROJECT

Index Terms/Additional Words: VIDEO; TAPE; RECORDER

Derwent Class: S02; S03

International Patent Class (Main): G01N-021/88

International Patent Class (Additional): G01B-011/30; G01C-007/04

File Segment: EPI

18/5/16 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011717234 \*\*Image available\*\*

WPI Acc No: 1998-134144/199813

XRPX Acc No: N98-105987

Surface defect inspection apparatus for e.g. coating surface of motor vehicle body - has tracking processor that corrects two moving pixels corresponding to image of moving tested surface based on imaging distance from image pick-up unit to tested surface

Patent Assignee: NISSAN MOTOR CO LTD (NSMO )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10010052	A	19980116	JP 96166357	A	19960626	199813 B
JP 3160838	B2	20010425	JP 96166357	A	19960626	200126

Priority Applications (No Type Date): JP 96166357 A 19960626

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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JP 10010052	A	9		G01N-021/88	
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JP 3160838	B2	9		G01N-021/88	Previous Publ. patent JP 10010052
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Abstract (Basic): JP 10010052 A

The apparatus has an illumination unit (2) that forms the predetermined bright-darkness pattern on a surface (1a) being tested. An image pick-up unit (3) converts a received optical image of the tested surface to image data of an electrical signal. When the level of the spatial frequency component and high frequency component of the image data is more than a predetermined value, an **image processor** (4) extracts the **image** data as a **defect** candidate.

A **tracking** processor (5) judges a **defect** candidate area to be a defective area when the defect candidate area adapts a predetermined comparative conditions. A velocity sensor (6) detects the physical state of the tested surface moving in the illumination unit and image

pick-up unit. Based on the imaging distance from the image pick-up unit to the tested surface, two moving pixels corresponding the image of the moving tested surface are corrected.

ADVANTAGE - Enables accurate detection of defect e.g. peeling on surface being tested. Enlarges tracking range even when number of moving pixels is large, thus minimising overlook of defective portion of tested surface.

Dwg.1/11

Title Terms: SURFACE; DEFECT; INSPECT; APPARATUS; COATING; SURFACE; MOTOR; VEHICLE; BODY; TRACK; PROCESSOR; CORRECT; TWO; MOVE; PIXEL; CORRESPOND; IMAGE; MOVE; TEST; SURFACE; BASED; IMAGE; DISTANCE; IMAGE; PICK-UP; UNIT; TEST; SURFACE

Derwent Class: S02; S03; T01; T04

International Patent Class (Main): G01N-021/88

International Patent Class (Additional): G01B-011/30; G06T-007/00

File Segment: EPI

18/5/17 (Item 9 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010892835 \*\*Image available\*\*

WPI Acc No: 1996-389786/199639

XRPX Acc No: N96-328357

Image processor for surface defect inspection of target object in production line - judges existence of defective edge in square area if total number of pixel of differential information exceeds predetermined value

Patent Assignee: KAWASAKI STEEL CORP (KAWI )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8189902	A	19960723	JP 952828	A	19950111	199639 B

Priority Applications (No Type Date): JP 952828 A 19950111

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8189902	A	6		G01N-021/88	

Abstract (Basic): JP 8189902 A

The image processor has an optical source (2) which illuminates the inspected and conveyed object. A camera (4) picks up **defects** (3) such as a **track** or tent on the surface of the object. A signal processing circuit (5) performs A/D conversion of image surface. The output image data is stored in a memory (6). Arbitrary rectangular areas are set up on the image data, by a mask setting circuit (7). A differential processing circuit (8) carries out differential processing of the image data.

An amount calculation circuit (9) adds square of differential information when the value exceeds a predetermined value, a defective edge is detected in the rectangular area. A number of pixels are computed from the differential information. If the number of pixel in differential information exceeds a predetermined value, then a defective edge of square is detected. A degree judging circuit (10) judges the existence of defect.

ADVANTAGE - Adds number of pixels or square areas easily with less complex computation.

Dwg.1/6

Title Terms: IMAGE; PROCESSOR; SURFACE; DEFECT; INSPECT; TARGET; OBJECT; PRODUCE; LINE; JUDGEMENT; EXIST; DEFECT; EDGE; SQUARE; AREA; TOTAL; NUMBER; PIXEL; DIFFERENTIAL; INFORMATION; PREDETERMINED; VALUE

Derwent Class: S03; T01; W02

International Patent Class (Main): G01N-021/88

International Patent Class (Additional): G06T-007/00; H04N-007/18

File Segment: EPI

18/5/18 (Item 10 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

010827433 \*\*Image available\*\*  
WPI Acc No: 1996-324385/199633  
XRPX Acc No: N96-272925

Defect detector with camera for inspection of film, non- woven fabrics, steel, aluminium and copper coil - has MO disk to store NG freezing function and defective images are displayed in monitor device  
Patent Assignee: TOSHIBA ENG KK (TOSB )  
Number of Countries: 001 Number of Patents: 001

Patent Family:  
Patent No Kind Date Applcat No Kind Date Week  
JP 8145909 A 19960607 JP 94280980 A 19941115 199633 B

Priority Applications (No Type Date): JP 94280980 A 19941115

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
JP 8145909 A 6 G01N-021/89

Abstract (Basic): JP 8145909 A  
The defect detector inputs the image data picturized by a camera  
(1) in parallel for image processing.  
When a defective image is detected in the image processing, it is displayed in a monitor device (11). The NG freezing function obtained is stored in an MO disk (17).  
ADVANTAGE - Improves operativity. Simplifies composition.

Dwg.1/3  
Title Terms: DEFECT; DETECT; CAMERA; INSPECT; FILM; NON; WOVEN; FABRIC; STEEL; ALUMINIUM; COPPER; COIL; DISC; STORAGE; FREEZE; FUNCTION; DEFECT; IMAGE; DISPLAY; MONITOR; DEVICE

Derwent Class: S03; T01  
International Patent Class (Main): G01N-021/89  
International Patent Class (Additional): G06T-007/00  
File Segment: EPI

18/5/19 (Item 11 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

010544757 \*\*Image available\*\*  
WPI Acc No: 1996-041710/199605  
XRAM Acc No: C96-014170  
XRPX Acc No: N96-034955

Monitoring of weaving defects during the weaving operation - where collimated beam of coherent light is directed onto advancing fabric and Fourier optical transform detected and examined to reveal any defects in fabric

Patent Assignee: CEO CENT DI ECCELLENZA Optronica (CEO-E-N); IST NAZ DI OTTICA (NAOT-N); LANIFICIO BOTTO SPA LUIGI (LANI-N); MFR GASSOL SA ANTONIO (GASS-N); PLACENCIA LAS ARMAS SAPA SA (PLAC-N)

Inventor: CASTELLINI C; FRANCINI F; LONGOBARDI G; SANSONI P; TIRIBILLI B  
Number of Countries: 017 Number of Patents: 001

Patent Family:  
Patent No Kind Date Applcat No Kind Date Week  
EP 689046 A1 19951227 EP 94830309 A 19940623 199605 B

Priority Applications (No Type Date): EP 94830309 A 19940623  
Cited Patents: 01Jnl.Ref; DE 2707538; EP 17371; EP 296924; EP 545507; JP 60029722; US 3689772; US 3783296; US 5068799; WO 9323734

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 689046 A1 E 21 G01N-021/89

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC  
NL PT SE

Abstract (Basic): EP 689046 A

Method for **monitoring** weaving **defects** has the steps of: (1) collimating (FC) a beam of coherent light (1) and directing it onto an advancing woven fabric (T), (2) detecting the Fourier optical transform **image**, (3) detecting any fabric **defect** following **processing** of the Fourier optical transform **image**. Also claimed is the Fourier transform is constituted, in the absence of any defects, by a two dimensional geometric distribution of peaks of luminous energy separated by dark zones and that any fabric defects are detected by energy dispersed between the peaks.

USE - To detect weaving defects in a woven fabric.

ADVANTAGE - Detection of weaving defects not detectable in prior art and the **monitoring** of **defects** on the loom (i.e. during the weaving phase) allowing their rectification during the formation of the fabric.

Dwg.4/10

Title Terms: MONITOR; WEAVE; DEFECT; WEAVE; OPERATE; COLLIMATE; BEAM; COHERE; LIGHT; DIRECT; ADVANCE; FABRIC; FOURIER; OPTICAL; TRANSFORM; DETECT; REVEAL; DEFECT; FABRIC

Derwent Class: F03; S03

International Patent Class (Main): G01N-021/89

International Patent Class (Additional): D06H-003/08; G01N-021/88

File Segment: CPI; EPI

18/5/20 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

009682038

WPI Acc No: 1993-375592/199347

XRAM Acc No: C93-167005

XRPX Acc No: N93-289866

Organic photoconductor backing sheet - placed between drum and photoconductive sheet to filter out foreign particles

Patent Assignee: ANONYMOUS (ANON )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
RD 354026	A	19931010	RD 93354026	A	19930920	199347	B

Priority Applications (No Type Date): RD 93354026 A 19930920

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

RD 354026 A G03G-000/00

Abstract (Basic): RD 354026 A

Photoconductors include those in sheet form which may be mounted on a supporting member such as a drum. In an electrophotographic system there is typically provided a drum, a photoconductive surface provided on the drum, appts. for forming a latent image on the drum, appts. for toner development of the latent image on the photoconductive surface and appts. for transferring the image after development to a final substrate.

When sheet organic photoconductors are used with toners, defective image quality and damage to the photoconductor may be caused by particles of dirt or foreign matter, which may for example, be entrained in toner infiltrating into the space between the surface of the drum and the underside of the photoconductive sheet. Such particles

cause the sheet to be raised locally, resulting in 'star mark' defects in the developed image and potential cracking of the photoconductor when the apparatus is operated. The problem is particularly acute when the infiltrated particles retain some mobility after ingress. The 'star mark' defects then tend to propagate, thereby forming a line, or track defect in the developed image.

A sheet of suitable material, pref. paper, is interposed between the surface of the drum, or similar supporting member, and the underside of the photoconductive sheet. The material filters out foreign particles, partic. at its periphery, and inhibits their ingress or infiltration under the photoconductive sheet

Title Terms: ORGANIC; PHOTOCOCONDUCTOR; BACKING; SHEET; PLACE; DRUM; PHOTOCODUCTIVE; SHEET; FILTER; FOREIGN; PARTICLE

Derwent Class: G08; P84; S06

International Patent Class (Main): G03G-000/00

File Segment: CPI; EPI; EngPI

18/5/21 (Item 13 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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009241763 \*\*Image available\*\*

WPI Acc No: 1992-369181/199245

XRPX Acc No: N92-281487

Defect detecting device - has TV camera which takes magnified image of object through microscope and processes image by outline intensifier and defect image is observable on monitor display NoAbstract

Patent Assignee: SONY CORP (SONY )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 4269846	A	19920925	JP 9154031	A	19910225	199245 B

Priority Applications (No Type Date): JP 9154031 A 19910225

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 4269846 A 3 H01L-021/66

Title Terms: DEFECT; DETECT; DEVICE; TELEVISION; CAMERA; MAGNIFY; IMAGE; OBJECT; THROUGH; MICROSCOPE; PROCESS; IMAGE; OUTLINE; INTENSIFY; DEFECT; IMAGE; OBSERVE; MONITOR; DISPLAY; NOABSTRACT

Derwent Class: P81; S02; S03; T04; U11

International Patent Class (Main): H01L-021/66

International Patent Class (Additional): G02B-021/06; H04N-005/335

File Segment: EPI; EngPI

18/5/22 (Item 14 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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009101268 \*\*Image available\*\*

WPI Acc No: 1992-228698/199228

XRPX Acc No: N92-173869

Continuous surface defect detector for pipe and rod - has tracking mirror, picture processing circuit, defect judgement circuit, display monitor, speed detector, scanner controller, and scanner NoAbstract

Patent Assignee: MITSUBISHI ELECTRIC CORP (MITQ )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 4148854	A	19920521	JP 90274638	A	19901012	199228 B

Priority Applications (No Type Date): JP 90274638 A 19901012

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

JP 4148854 A 6 G01N-021/89

Title Terms: CONTINUOUS; SURFACE; DEFECT; DETECT; PIPE; ROD; TRACK; MIRROR; PICTURE; PROCESS; CIRCUIT; DEFECT; JUDGEMENT; CIRCUIT; DISPLAY; MONITOR; SPEED; DETECT; SCAN; CONTROL; SCAN; NOABSTRACT

Derwent Class: S03; W02; W04

International Patent Class (Main): G01N-021/89

International Patent Class (Additional): G01N-021/88; H04N-005/225;

H04N-007/18

File Segment: EPI

18/5/23 (Item 15 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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002368123

WPI Acc No: 1980-H4584C/198035

**Semiconductor prodn.** photographic **mask** defect monitor - evaluates superimposed video images of **mask** in comparison with **standard pattern**

Patent Assignee: HAJIME IND LTD (HAJI-N); MAJIME IND LTD (MAJI-N)

Inventor: YOSHIDA H

Number of Countries: 005 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3006379	A	19800821			198035	B
GB 2046433	A	19801112			198046	
FR 2449883	A	19801024			198049	
US 4277802	A	19810707			198130	
CA 1126856	A	19820629			198229	
GB 2046433	B	19830420			198316	
DE 3006379	C	19880601			198822	

Priority Applications (No Type Date): JP 7918867 A 19790220

Abstract (Basic): DE 3006379 A

A **defect monitoring** system comparing objects with a standard pattern is applicable to photomask template testing in semiconductor manufacturing. It employs an economical monochrome television camera instead of the expensive colour camera conventionally required.

Overlapping images of the mesh and the standard pattern are formed. The images are converted into video signals and analysed by a number of detectors which all produce an output signal when the pattern and mesh images coincide exactly. When exact image matching is not achieved, some detectors produce outputs and some do not. The detector outputs are evaluated and a fault detection signal generated and displayed, when some detectors do not give outputs. Additional elements interposed between the camera and detectors amplify the video signals and suppress unnecessary signal components

Title Terms: SEMICONDUCTOR; PRODUCE; PHOTOGRAPH; MASK; DEFECT; MONITOR; EVALUATE; SUPERIMPOSED; VIDEO; IMAGE; MASK; COMPARE; STANDARD; PATTERN

Derwent Class: P43; S02; S03; T04; U11; W02

International Patent Class (Additional): B07C-005/34; G01B-011/30;

G01M-011/00; G01N-021/32; G06K-009/08; H01L-021/66; H04N-007/02;

H04N-017/00

File Segment: EPI; EngPI

20/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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014772236 \*\*Image available\*\*  
WPI Acc No: 2002-592942/200264  
XRAM Acc No: C02-167799  
XRXPX Acc No: N02-470581

Ink jet ink composition, includes polyvalent transition metal complex of an 8-heterocyclazo-5-hydroxy-quinoline and an anti-kogation material comprising an alkali metal salt of a monobasic organic or inorganic acid

Patent Assignee: EASTMAN KODAK CO (EAST )

Inventor: ERDTMANN D; EVANS S; LOPEZ E; VAN HANEHEM R C

Number of Countries: 028 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1234860	A1	20020828	EP 200275634	A	20020215	200264 B
US 20020157567	A1	20021031	US 2001794608	A	20010227	200274
JP 2002294125	A	20021009	JP 200247856	A	20020225	200281

Priority Applications (No Type Date): US 2001794608 A 20010227

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 1234860	A1	E	14	C09D-011/00	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

US 20020157567	A1	C09D-011/02
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JP 2002294125	A	9 C09D-011/00
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Abstract (Basic): EP 1234860 A1

NOVELTY - An ink jet ink composition comprises water, a humectant, a polyvalent transition metal complex of an 8-heterocyclazo-5-hydroxy-quinoline and an anti-kogation material comprising an alkali metal salt of a monobasic organic or inorganic acid.

USE - The ink may be employed in ink jet printing where liquid ink drops are applied in a controlled fashion to an ink receptive layer substrate, by ejecting ink droplets from nozzles or orifices of the print head of an ink jet printer. It is used applications ranging from industrial labeling to short run printing to desktop document and pictorial imaging.

ADVANTAGE - The composition has both good light stability and bright magenta hue, and is able to provide consistent density when printed in a thermal ink jet printer. It avoids the problems associated with the composition of US6001161, where the maximum density of a printed image decreases over time, and with the composition of US6059868, which uses anti-kogation materials with metal-complex dyes, but gives poor image quality.

pp; 14 DwgNo 0/0

Title Terms: INK; JET; INK; COMPOSITION; POLYVALENT; TRANSITION; METAL; COMPLEX; HYDROXY; QUINOLINE; ANTI; MATERIAL; COMPRISE; ALKALI; METAL; SALT; ORGANIC; INORGANIC; ACID

Derwent Class: E12; E16; G02; P75; T04

International Patent Class (Main): C09D-011/00; C09D-011/02

International Patent Class (Additional): B41J-002/01; B41M-005/00

File Segment: CPI; EPI; EngPI

20/5/2 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX  
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014233661  
WPI Acc No: 2002-054359/200207  
XRAM Acc No: C02-015395

XRPX Acc No: N02-040025

Monocomponent electrostatographic developer for electrostatic imaging, includes positively charged inorganic fine powder of preset size, cleaning ratio and flowability improving agent of preset surface area on toner surface

Patent Assignee: NEXPRESS SOLUTIONS LLC (NEXP-N)

Inventor: CONTOIS R E; MARSH D G; PUTNAM D D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6294303	B1	20010925	US 2000489811	A	20000124	200207 B

Priority Applications (No Type Date): US 2000489811 A 20000124

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6294303	B1	7	G03G-009/097	

Abstract (Basic): US 6294303 B1

NOVELTY - A monocomponent electrostatographic developer comprises negatively charged toner particles containing polymeric binder and magnetic material. The toner particle surface has positively charged inorganic fine powder particles of mean volume average particle size 0.5-7  $\mu\text{m}$ , cleaning ratio of 0.76-4.0 and a flowability improving agent of BET surface area 30  $\text{m}^2/\text{g}$  or more.

DETAILED DESCRIPTION - A monocomponent electrostatographic developer comprises negatively charged toner particles containing polymeric binder and magnetic material. The toner particle surface contains positively charged inorganic fine powder particles of mean volume average particle size 0.5-7  $\mu\text{m}$ , cleaning ratio (volume fraction of particles having size of 0-1.0  $\mu\text{m}$ /volume fraction of particles having size more than 1.0  $\mu\text{m}$ ) of 0.76-4.0 and a flowability improving agent having BET surface area of 30  $\text{m}^2/\text{g}$ . An INDEPENDENT CLAIM is also included for method of electrostatic imaging. An electrostatic latent image is formed on the surface of electrophotographic element, which is developed by contacting with monocomponent electrostatographic developer.

USE - For electrostatic image development (claimed).

ADVANTAGE - The developer provides outstanding image quality, superior fusing to receivers, acceptable release from fusing member, excellent suppression of photoconductor and developer roll sleeve contamination. The mixture of cerium dioxide acts as cleaning aids and prevents contamination and scumming of developer roll sleeve surface. Image of high density and quality is obtained.

pp; 7 DwgNo 0/0

Title Terms: ELECTROSTATOGRAPHIC; DEVELOP; ELECTROSTATIC; IMAGE; POSITIVE; CHARGE; INORGANIC; FINE; POWDER; PRESET; SIZE; CLEAN; RATIO; FLOW; IMPROVE; AGENT; PRESET; SURFACE; AREA; TONER; SURFACE

Derwent Class: A18; A89; E11; G08; P84; S06

International Patent Class (Main): G03G-009/097

File Segment: CPI; EPI; EngPI

20/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013217459

WPI Acc No: 2000-389333/200034

XRAM Acc No: C00-118406

XRPX Acc No: N00-291538

Composition useful for removing scratches and/or contamination from photographic films before printing, scanning or projection, comprises a solvent, abrasive particles, a petroleum distillate, hard wax and water

Patent Assignee: EASTMAN KODAK CO (EAST )

Inventor: FANT A B; TREST J A; WANG Y

Number of Countries: 027 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1008906	A1	20000614	EP 99203991	A	19991126	200034	B
JP 2000171962	A	20000623	JP 99348748	A	19991208	200036	
US 6172775	B1	20010109	US 98207376	A	19981208	200104	

Priority Applications (No Type Date): US 98207376 A 19981208

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 1008906 A1 E 7 G03C-011/06

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

JP 2000171962 A 5 G03D-015/00

US 6172775 B1 H04N-001/04

Abstract (Basic): EP 1008906 A1

NOVELTY - A composition for removing scratches from photographic materials comprises a solvent, abrasive particles, a petroleum distillate, hard wax and water.

USE - For removing scratches and other surface **defects** from photographic materials to improve the quality of prints, projected images or scanned images.

ADVANTAGE - The composition improves the quality of prints, etc. obtained from photographic materials having a scratched or contaminated surface.

pp; 7 DwgNo 0/0

Title Terms: COMPOSITION; USEFUL; REMOVE; SCRATCH; CONTAMINATE; PHOTOGRAPH; FILM; PRINT; SCAN; PROJECT; COMPRISE; SOLVENT; ABRASION; PARTICLE; PETROL ; DISTIL; HARD; WAX; WATER

Derwent Class: A89; G06; P83; P84

International Patent Class (Main): G03C-011/06; G03D-015/00; H04N-001/04

International Patent Class (Additional): G03C-011/08

File Segment: CPI; EngPI

20/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012654442 \*\*Image available\*\*

WPI Acc No: 1999-460547/199939

XRAM Acc No: C99-135331

Aluminosilicate organic-inorganic polymer matrix composite, used fro treatment of photographic effluent containing ionic silver

Patent Assignee: EASTMAN KODAK CO (EAST )

Inventor: PONCELET O J C; WETTLING D M H; PONCELET O C; WETTLING D M

Number of Countries: 027 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 937393	A1	19990825	EP 99420042	A	19990218	199939	B
FR 2775199	A1	19990827	FR 982363	A	19980223	199941	
JP 2000024653	A	20000125	JP 9942623	A	19990222	200016	
US 6440308	B1	20020827	US 99255924	A	19990223	200259	

Priority Applications (No Type Date): FR 982363 A 19980223

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 937393 A1 E 10 A01N-025/04

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI

FR 2775199 A1 B01J-020/22

JP 2000024653 A 6 C02F-001/28

US 6440308 B1 B01D-015/00

Abstract (Basic): EP 937393 A1

NOVELTY - Composite material comprising aluminosilicate organic-inorganic polymer matrix in fiber form comprising, at least on the fiber surface, an organic sulfur containing radical and having an active organic compound dispersed in it.

DETAILED DESCRIPTION - Composite material comprising aluminosilicate organic-inorganic polymer matrix in fiber form comprising, at least on the fiber surface, an organic sulfur containing radical of formula SH or S(CH<sub>2</sub>)<sub>n</sub>S and having an active organic compound dispersed in it.

n=0.

INDEPENDENT CLAIMS are included for:

- (1) preparation of the composite;
- (2) treatment of photographic effluent containing ionic silver by contacting with the material.

USE - Treatment of photographic effluent containing ionic silver, especially wash or stabilization photographic baths (claimed).

ADVANTAGE - Treatment using the composite does not alter the properties of the treated effluent, especially the pH and salt content. Also the nature of the water treated does not alter the efficiency of the process. The composite is **photographically** inert, so it does not **damage** the final **images**. The process is simple and effective and delivers a controlled amount of biocide.

DESCRIPTION OF DRAWING(S) - The figure shows the treatment process:

Washing tank containing wash bath (12)

Pipe for delivery of bath to treatment cartridge (14)

Treatment cartridge (16)

Containers permeable to wash bath and containing composite (18)

Fresh bath or water inlet (21)

Drainage device (22)

Overflow (24)

pp; 10 DwgNo 1/1

Title Terms: ALUMINOSILICATE; ORGANIC; INORGANIC; POLYMER; MATRIX;

COMPOSITE; TREAT; PHOTOGRAPH; EFFLUENT; CONTAIN; ION; SILVER

Derwent Class: A26; A97; C07; D15; D22; E19; E32; F01; G06; L02; P83; P84

International Patent Class (Main): A01N-025/04; B01D-015/00; B01J-020/22;

C02F-001/28

International Patent Class (Additional): B01J-020/32; C01B-033/44;

C02F-001/50; D06M-013/513; G03C-005/00; G03C-005/395; G03D-003/00

File Segment: CPI; EngPI

20/5/5 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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009694877

WPI Acc No: 1993-388430/199349

XRAM Acc No: C93-172738

XRPX Acc No: N93-299979

Flexographic printing plates - have vanadium oxide antistatic coating obtd. by reaction of vanadium oxoalkoxide with deionised water on photohardenable layer

Patent Assignee: MINNESOTA MINING & MFG CO (MINN )

Inventor: KAUSCH W L; MARTENS J A; MORRISON E D

Number of Countries: 006 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 573365	A2	19931208	EP 93401424	A	19930603	199349 B
US 5322761	A	19940621	US 92893498	A	19920604	199424
JP 6186747	A	19940708	JP 93134444	A	19930604	199432
EP 573365	A3	19941102	EP 93401424	A	19930603	199535

Priority Applications (No Type Date): US 92893498 A 19920604

Cited Patents: No-SR.Pub; 2.Jnl.Ref; DE 4125758; JP 1046738; WO 9102289; WO

9324584

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
EP 573365 A2 E 35 G03F-007/11  
Designated States (Regional): DE FR GB IT  
US 5322761 A 25 G03C-001/492  
JP 6186747 A 31 G03F-007/11  
EP 573365 A3 G03F-007/11

Abstract (Basic): EP 573365 A

The flexographic printing plate has photohardenable layer covered by a vanadium oxide antistatic layer.

Prod'n. of the antistatic coating comprises (i) hydrolysing a vanadium oxoalkoxide with an excess of deionised water to form a vanadium oxide colloidal dispersion contg. an effective amt. of vanadium but no more than 3.5 wt.%; and (ii) coating the dispersion onto a release surface and adhering it to a photohardenable flexographic printing plate.

USE/ADVANTAGE - The antistatic layer can be used on dry developable plates and imparts resistance to dust-induced defects during both imaging and processing. The vanadium oxide colloid is more easily produced and more completely dispersed than the vanadium oxide colloids of US4203769 ( **Eastman Kodak** ). The V oxoalkoxide starting material can be prep'd. in situ and used without isolation and/or purification. As such colloids function by small polaron hopping electron conduction, they do not require crystalline structure development by annealing.

Dwg.0/0

Title Terms: FLEXOGRAPHIC; PRINT; PLATE; VANADIUM; OXIDE; ANTISTATIC; COATING; OBTAIN; REACT; VANADIUM; OXO; ALKOXIDE; DEIONISE; WATER; PHOTOHARDENABLE; LAYER

Derwent Class: A89; E13; E31; G07; P74; P83; P84

International Patent Class (Main): G03C-001/492; G03F-007/11

International Patent Class (Additional): B41F-005/24; G03C-001/494; G03C-001/76

File Segment: CPI; EngPI

20/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

001193029

WPI Acc No: 1974-66911V/197438

Electron beam and light sensitive materials - based on unsatd. (meth) acrylates

Patent Assignee: TORAY IND INC (TORA )

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 49024437	A	19740304				197438 B
JP 79041891	B	19791211				198002

Priority Applications (No Type Date): JP 7264074 A 19720628

Abstract (Basic): JP 49024437 A

The electron-beam and light sensitive materials are easy to handle, have good sensitivity, and give good image resoln. In an example, a polymer was obtd. by refluxing for 10 hrs. a mixt. of poly(Me acrylate) (viscosity 0.8 at 25.0 degrees in MeEt ketone) 8.6, CH<sub>2</sub>:CHOH 58, hydrate p-toluenesulphonic acid 9.5, hydroquinone 00.1 g., pptg. with excess MeOH, filtering, rinsing, and repptg. from Me<sub>2</sub>CO-MeOH. The prodt. (yield 10.1 g.) had the compsn. (mole %) allyl acrylate : Me acrylate : acrylic acid 58.4:37.1:4.5. A 6% soln. of this polymer in AcOCH<sub>2</sub>CH<sub>2</sub>OMe was supplied on a 1.5 mm. thick electroconductive glass

plate (50 x 50 mm.) to give a 0.3-0.5  $\mu$  film. On exposure to an electron beam and washing with Me<sub>2</sub>CO and MeOH to remove the **unexposed** areas gave a relief **image** of the exposed areas. This material had 500 times the sensitivity of KPR (poly(vinyl cinnamate) based material, **Eastman Kodak**) a film (0.5  $\mu$ ) deposited following the addn. of 4,41-bis(dimethylamino)benzophenone 3% to the above soln. possesses sensitivity 1.5 times that of KPR when exposed to a fluorescent lamp (FL-205-BL-360, Mitsubishi Elec. App.).

UNSATURATED  
Title Terms: ELECTRON; BEAM; LIGHT; SENSITIVE; MATERIAL; BASED;  
; METHO  
Derwent Class: A14; A89; G08; P83; P84  
International Patent Class (Additional): C08F-008/14; C08F-220/00;  
G03C-001/71; G03F-007/10  
File Segment: CPI; EngPI  
?

File 344:Chinese Patents Abs Aug 1985-2002/Dec  
(c) 2003 European Patent Office  
File 347:JAPIO Oct 1976-2002/Sep(Updated 030102)  
(c) 2003 JPO & JAPIO  
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200306  
(c) 2003 Thomson Derwent  
File 348:EUROPEAN PATENTS 1978-2003/Jan W04  
(c) 2003 European Patent Office  
File 349:PCT FULLTEXT 1979-2002/UB=20030123,UT=20030116  
(c) 2003 WIPO/Univentio  
File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Dec  
(c)2003 Info.Sources Inc  
File 2:INSPEC 1969-2003/Jan W3  
(c) 2003 Institution of Electrical Engineers  
File 35:Dissertation Abs Online 1861-2003/Dec  
(c) 2003 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2003/Jan W4  
(c) 2003 BLDSC all rts. reserv.  
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Dec  
(c) 2003 The HW Wilson Co.  
File 233:Internet & Personal Comp. Abs. 1981-2003/Jan  
(c) 2003 Info. Today Inc.  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group  
File 474:New York Times Abs 1969-2003/Jan 28  
(c) 2003 The New York Times  
File 475:Wall Street Journal Abs 1973-2003/Jan 28  
(c) 2003 The New York Times  
File 16:Gale Group PROMT(R) 1990-2003/Jan 28  
(c) 2003 The Gale Group  
File 148:Gale Group Trade & Industry DB 1976-2003/Jan 29  
(c)2003 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 275:Gale Group Computer DB(TM) 1983-2003/Jan 28  
(c) 2003 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Jan 28  
(c) 2003 The Gale Group  
File 636:Gale Group Newsletter DB(TM) 1987-2003/Jan 29  
(c) 2003 The Gale Group  
File 9:Business & Industry(R) Jul/1994-2003/Jan 29  
(c) 2003 Resp. DB Svcs.  
File 15:ABI/Inform(R) 1971-2003/Jan 30  
(c) 2003 ProQuest Info&Learning  
File 20:Dialog Global Reporter 1997-2003/Jan 30  
(c) 2003 The Dialog Corp.  
File 95:TEME-Technology & Management 1989-2003/Jan W2  
(c) 2003 FIZ TECHNIK  
File 476:Financial Times Fulltext 1982-2003/Jan 30  
(c) 2003 Financial Times Ltd  
File 610:Business Wire 1999-2003/Jan 30  
(c) 2003 Business Wire.  
File 613:PR Newswire 1999-2003/Jan 30  
(c) 2003 PR Newswire Association Inc  
File 624:McGraw-Hill Publications 1985-2003/Jan 29  
(c) 2003 McGraw-Hill Co. Inc  
File 634:San Jose Mercury Jun 1985-2003/Jan 29  
(c) 2003 San Jose Mercury News  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 47:Gale Group Magazine DB(TM) 1959-2003/Jan 28  
(c) 2003 The Gale group  
File 570:Gale Group MARS(R) 1984-2003/Jan 28

Ruf

(c) 2003 The Gale Group  
 File 635:Business Dateline(R) 1985-2003/Jan 30  
 (c) 2003 ProQuest Info&Learning  
 File 477:Irish Times 1999-2003/Jan 29  
 (c) 2003 Irish Times  
 File 710:Times/Sun.Times(London) Jun 1988-2003/Jan 30  
 (c) 2003 Times Newspapers  
 File 711:Independent(London) Sep 1988-2003/Jan 29  
 (c) 2003 Newspaper Publ. PLC  
 File 756:Daily/Sunday Telegraph 2000-2003/Jan 30  
 (c) 2003 Telegraph Group  
 File 757:Mirror Publications/Independent Newspapers 2000-2003/Jan 30  
 (c) 2003  
 File 387:The Denver Post 1994-2003/Jan 28  
 (c) 2003 Denver Post  
 File 471:New York Times Fulltext 90-Day 2003/Jan 30  
 (c) 2003 The New York Times  
 File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
 (c) 2002 Phoenix Newspapers  
 File 494:St LouisPost-Dispatch 1988-2003/Jan 27  
 (c) 2003 St Louis Post-Dispatch  
 File 498:Detroit Free Press 1987-2003/Jan 29  
 (c) 2003 Detroit Free Press Inc.  
 File 631:Boston Globe 1980-2003/Jan 29  
 (c) 2003 Boston Globe  
 File 633:Phil.Inquirer 1983-2003/Jan 29  
 (c) 2003 Philadelphia Newspapers Inc  
 File 638:Newsday/New York Newsday 1987-2003/Jan 29  
 (c) 2003 Newsday Inc.  
 File 640:San Francisco Chronicle 1988-2003/Jan 30  
 (c) 2003 Chronicle Publ. Co.  
 File 641:Rocky Mountain News Jun 1989-2003/Jan 24  
 (c) 2003 Scripps Howard News  
 File 702:Miami Herald 1983-2003/Jan 27  
 (c) 2003 The Miami Herald Publishing Co.  
 File 703:USA Today 1989-2003/Jan 29  
 (c) 2003 USA Today  
 File 704:(Portland)The Oregonian 1989-2003/Jan 29  
 (c) 2003 The Oregonian  
 File 713:Atlanta J/Const. 1989-2003/Jan 26  
 (c) 2003 Atlanta Newspapers  
 File 714:(Baltimore) The Sun 1990-2003/Jan 29  
 (c) 2003 Baltimore Sun  
 File 715:Christian Sci.Mon. 1989-2003/Jan 30  
 (c) 2003 Christian Science Monitor  
 File 725:(Cleveland)Plain Dealer Dec 1991-2002/Dec 31  
 (c) 2003 The Plain Dealer  
 File 735:St. Petersburg Times 1989- 2000/Nov 01  
 (c) 2000 St. Petersburg Times

?ds

Set	Items	Description
S1	108	(PHOTOFINISH? OR PHOTOPROCESS? OR PHOTO()PROCESS? OR PHOTO-SERVIC? OR PRINT?()SERVICE? OR KODAK? OR EASTMAN?) (3N) (UNPRIN-T? OR UNEXPOS? OR UNUSED OR UNUSABLE OR UNPRINT? OR UNPROCESS? OR DEFECT?) NOT PY>2001
S2	9	S1(5N) (FILM ? ? OR IMAGE? ? OR PICTURE? ? OR DIGITAL? OR R-OLL? ? OR FRAME? ? OR PHOTOGRAPHIC?)
S3	0	S1(5N) (ASSIGN? ? OR AUTOMATIC? OR GIVE OR GIVING OR AUTHOR-IZ? OR AUTHORIS?) (3N) (CREDIT? ? OR CREDITING OR GIFT()CERTIFI-CATE? OR FILM? ? OR GIFT? ? OR ROLL? ? OR REBATE? OR REIMBURS? OR REWARD? OR DISCOUNT? OR REDEEM?)
S4	17	S1 NOT (KODAK? OR EASTMAN?)
S5	17	S4 NOT S2
S6	17	S1(5N) (CREDIT? ? OR CREDITING OR GIFT()CERTIFICATE? OR FIL-

M? ? OR GIFT? ? OR ROLL? ? OR REBATE? OR REIMBURS? OR REWARD?  
OR DISCOUNT? OR REDEEM?)  
12 S6 NOT (S2 OR S5)

S7

2/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00323853

Radiation sensitive element containing a macroheterocycle.

Einen Makroheterozyklus enthaltendes, strahlungsempfindliches Element.

Produit sensible aux radiations contenant un macroheterocycle.

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201214), 343 State Street, Rochester, New York

14650-2201, (US), (applicant designated states: BE;DE;GB;NL)

KODAK-PATHE, (205011), 26, rue Villiot, F-75594 Paris Cedex 12, (FR),

(applicant designated states: FR)

INVENTOR:

Friour, Gerard, Kodak-Pathe Zone Industrielle, F-71102 Chalon sur Saone  
Cedex, (FR)

Paris, Christian, Kodak-Pathe Zone Industrielle, F-71102 Chalon sur Saone  
Cedex, (FR)

Riveccie, Marcel, Kodak-Pathe Zone Industrielle, F-71102 Chalon sur Saone  
Cedex, (FR)

Herz, Arthur, Eastman Kodak company 343 State Street, Rochester, 14650  
N.Y., (US)

LEGAL REPRESENTATIVE:

Parent, Yves et al (17681), Kodak-Pathe Departement Brevets et Licences  
Centre de Recherches et de Technologie Zone Industrielle, F-71102  
Chalon-sur-Saone Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 295190 A1 881214 (Basic)  
EP 295190 B1 911023

APPLICATION (CC, No, Date): EP 88420171 880530;

PRIORITY (CC, No, Date): FR 878260 870612

DESIGNATED STATES: BE; DE; FR; GB; NL

INTERNATIONAL PATENT CLASS: G03C-001/06; G03C-001/34; C07D-327/00;  
C07D-329/00;

ABSTRACT WORD COUNT: 87

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	488
CLAIMS B	(German)	EPBBF1	450
CLAIMS B	(French)	EPBBF1	488
SPEC B	(English)	EPBBF1	3922
Total word count - document A			0
Total word count - document B			5348
Total word count - documents A + B			5348

...SPECIFICATION degree)C, 50% relative humidity (RH) for 1 week.

The following Table III summarizes the **results** obtained. (see **image**  
in original document)

Part 1 demonstrates that the intensity of the 555 nm peak, which...

2/3,K/2 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

05523196 SUPPLIER NUMBER: 11578010 (USE FORMAT 7 OR 9 FOR FULL TEXT)

KODAK PROCESSING AND TRANSMISSION SERVICES TO BRING WINTER OLYMPICS TO THE  
WORLD

PR Newswire, 1206A0137

Dec 6, 1991

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 357 LINE COUNT: 00029

... one center can be returned to another.

As in 1988, each center will offer a **roll** of **unprocessed** **Kodak** film for every **roll** dropped off for processing. In addition, **Kodak** representatives will be available to answer any questions...

**2/3,K/3 (Item 1 from file: 275)**  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

01462915      SUPPLIER NUMBER: 11606292      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Kodak to use Macs to transmit news photos from Olympics. (1992 Winter Olympics)**  
Mallory, Jim  
Newsbytes, NEW12100019  
Dec 10, 1991  
LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT  
WORD COUNT: 481      LINE COUNT: 00037

... sites if desired.

Repeating their 1988 service, **Kodak** will provide the news photographers with a **roll** of **unprocessed** **Kodak** film for each **roll** dropped off for processing. **Kodak** representatives will be on hand to answer any questions or...

**2/3,K/4 (Item 1 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

04097719      Supplier Number: 53915859      (USE FORMAT 7 FOR FULLTEXT)  
**EASTMAN KODAK COMPANY: Background - Kodak DLS Software powers new Noritsu digital lab system.**  
M2 Presswire, pNA  
Feb 19, 1999  
Language: English      Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 1541

... products and services, such as specialty print products, the Preview and Select Service and automatic **defect** -removal capabilities.

" **Kodak** DLS Software employs cutting-edge **image** science technology, it's easy to use and it's based on **Kodak**'s comprehensive...

...showing how the pictures looked before the image-quality enhancements (with red-eye or other **defects** ) and after  
**Kodak** DLS Advanced **Image** Processing Software also offers backlit/harsh flash adjustment, correction for indoor lighting, correction for underwater...

**2/3,K/5 (Item 2 from file: 636)**  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

01652918      Supplier Number: 42587070      (USE FORMAT 7 FOR FULLTEXT)  
**Kodak To Use Macs To Transmit News Photos From Olympics 12/10/91**  
Newsbytes, pN/A  
Dec 10, 1991  
Language: English      Record Type: Fulltext  
Document Type: Newswire; General Trade  
Word Count: 451

... sites if desired.

Repeating their 1988 service, **Kodak** will provide the news photographers with a **roll** of **unprocessed** **Kodak** film for each **roll**

dropped off for processing. Kodak representatives will be on hand to answer any questions or...

2/3,K/6 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00716464 93-65685

**Hands-on: Photo CD**

Martin, James A

Macworld v10n7 PP: 92-97 Jul 1993

ISSN: 0741-8647 JRNL CODE: MAW

WORD COUNT: 2715

...TEXT: downtown San Francisco that caters to both amateurs and professionals and handed the manager two **unprocessed rolls** of film-- **Kodak** Ektar 100 for color slides and Kodak T-MAX 400 for black-and-white prints...

2/3,K/7 (Item 1 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

11598276 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**China - Kodak put on the spot: Chinese computer co. sues the U.S. photograph giant**

CHINA ONLINE

June 20, 2000

JOURNAL CODE: WCON LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 587

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... it reserves the right to ask for further compensation for any additional losses caused by **Kodak** 's allegedly **defective photographic paper**.

The case is scheduled to be heard by the Shenzhen Intermediate People's Court...

2/3,K/8 (Item 2 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

04392859 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**EASTMAN KODAK COMPANY: Background Kodak DLS Software powers new Noritsu digital lab system**

M2 PRESSWIRE

February 19, 1999

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1521

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... products and services, such as specialty print products, the Preview and Select Service and automatic **defect** -removal capabilities.

" **Kodak** DLS Software employs cutting-edge **image** science technology, it's easy to use and it's based on Kodak's comprehensive...

... showing how the pictures looked before the image-quality enhancements (with red-eye or other **defects** ) and after

**Kodak** DLS Advanced **Image** Processing Software also offers backlit/harsh flash adjustment, correction for indoor lighting, correction

for underwater...

2/3,K/9 (Item 1 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0424742 CL005  
**KODAK PROCESSING AND TRANSMISSION SERVICES TO BRING WINTER OLYMPICS TO THE WORLD**

DATE: December 6, 1991 13:18 EST WORD COUNT: 320

...one  
center can be returned to another.

As in 1988, each center will offer a **roll** of **unprocessed** Kodak  
film  
for every **roll** dropped off for processing. In addition, Kodak  
representatives will be available to answer any questions...

5/3,K/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

010170799 \*\*Image available\*\*

WPI Acc No: 1995-072052/199510

XRAM Acc No: C95-032567

XRPX Acc No: N95-056848

**Semiconductor device mfr. - involving removal of side wall after formation of high concentration diffusion layer**

Patent Assignee: SEIKO EPSON CORP (SHIH )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 6350043	A	19941222	JP 93133628	A	19930603	199510 B

Priority Applications (No Type Date): JP 93133628 A 19930603

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 6350043	A	11		H01L-027/092	

...Abstract (Basic): USE/ADVANTAGE - For use in formation of MISFET.

Effects cost reduction. Reduces number of **photo processes**. Reduces **defective** device formation. Raises device reliability. Prevents contamination due to ion implantation...

5/3,K/2 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00278170

METHOD OF PATTERNING RESIST FOR PRINTED WIRING BOARD.

BILDAUZEICHNUNGSVERFAHREN FUR GEDRUCKTE SCHALTUNGEN.

PROCEDE D'APPLICATION D'UN MOTIF SUR PHOTORESERVE POUR CARTE DE CABLAGE IMPRIME.

PATENT ASSIGNEE:

THE FOXBORO COMPANY, (389920), 38 Neponset Avenue, Foxboro, MA 02035, (US), (applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

INVENTOR:

LAKE, Harold, 5 Carlton Road, Sharon, MA 02067, (US)

GRANDMONT, Paul, E., 38 Emmons Street, Franklin, MA 02038, (US)

LEGAL REPRESENTATIVE:

Blatchford, William Michael et al (48801), Withers & Rogers 4 Dyer's Buildings Holborn, London EC1N 2JT, (GB)

PATENT (CC, No, Kind, Date): EP 339020 A1 891102 (Basic)  
EP 339020 B1 940216  
WO 8804797 880630

APPLICATION (CC, No, Date): EP 87900544 861217; WO 86US2709 861217

PRIORITY (CC, No, Date): EP 87900544 861217; WO 86US2709 861217

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G03F-007/20; G03F-007/26;

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
----------------	----------	--------	------------

CLAIMS B	(English)	EPBBF1	884
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CLAIMS B	(German)	EPBBF1	910
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CLAIMS B	(French)	EPBBF1	1014
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SPEC B	(English)	EPBBF1	4456
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Total word count - document A		0
-------------------------------	--	---

Total word count - document B		7264
-------------------------------	--	------

Total word count - documents A + B		7264
------------------------------------	--	------

...CLAIMS processing the photprocessable layer after exposure is accomplished by chemically removing either the exposed or **unexposed** portions of the **photprocessable** layer.

4. A process according to any preceding claim, characterised in that the first range...

...processing the photprocessable layer after exposure is accomplished by chemically removing either the exposed or **unexposed** portions of the **photprocessable** layer.

15. A process according to any of claims 12 to 14, characterised in that  
...

5/3,K/3 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00864063

DRY COLOR PRINTING PROCESS BY DIFFUSION ASSISTED PHOTOPOLYMERIZATION AND  
PHOTOGRAFTING  
PROCEDE D'IMPRESSION A COULEUR SECHE PAR PHOTOPOLYMERISATION ET  
PHOTOGREFFAGE A DIFFUSION ASSISTEE

Patent Applicant/Assignee:

KROMOTEK LTD, Oppenheimer Street 5, Suite 38, 76701 Rehovot, IL, IL  
(Residence), IL (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

DUKLER Shlomo, Ben-Sira Street 12, 62916 Tel Aviv, IL, IL (Residence), IL  
(Nationality), (Designated only for: US)

MEERFELD Yaron, Hehezkel Street 3, Ramat Chen, 52245 Ramat Gan, IL, IL  
(Residence), IL (Nationality), (Designated only for: US)

WEISS Victor, Pinsker Street 14/13, 76304 Rehovot, IL, IL (Residence), IL  
(Nationality), (Designated only for: US)

Legal Representative:

LUZZATTO Kfir (et al) (agent), Luzzatto & Luzzatto, P.O. Box 5352, 84152  
Beer-Sheva, IL,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200196120 A2-A3 20011220 (WO 0196120)

Application: WO 2001IL530 20010611 (PCT/WO IL0100530)

Priority Application: IL 136719 20000612

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD  
SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 3695

Fulltext Availability:

Detailed Description

Detailed Description

... 1) the photosensitive, layers form the color image by an in-situ and self-developing **photopolymerization process**, whereby the **unexposed** and unreacted monomer-dye molecules are fixed by diffusion into the grafting receiving layer (as...

5/3,K/4 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00147906

METHOD OF PATTERNING RESIST FOR PRINTED WIRING BOARD  
PROCEDE D'APPLICATION D'UN MOTIF SUR PHOTORESERVE POUR CARTE DE CABLAGE  
IMPRIME

Patent Applicant/Assignee:

THE FOXBORO COMPANY,

Inventor(s):

LAKE Harold,

GRANDMONT Paul E,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8804797 A1 19880630

Application: WO 86US2709 19861217 (PCT/WO US8602709)

Priority Application: WO 86US2709 19861217

Designated States: AT AU BE CH DE DK FI FR GB IT JP KP KR LU NL NO SE

Publication Language: English

Fulltext Word Count: 5370

Fulltext Availability:

Claims

Claim

... processing said photprocessable layer after exposure is accomplished by chemically removing either the exposed or **unexposed** portions of said **photprocessable** layer.

4 The process of claim 1, wherein said first spectrum is UV and said...processing said

photprocessable layer after exposure is accomplished by chemically removing either the exposed or **unexposed** portions of said **photprocessable** layer.

16 The process of claim 13, wherein said first spectrum is UV and said...

5/3,K/5 (Item 1 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6658694 INSPEC Abstract Number: B2000-09-2550E-030

Title: Optimizing the clean effect of wafer backside in lithography developer process

Author(s): Hsun-Peng Lin; Chun-Hong Chang; Chih-Hsiung Lee; Pang, S.L.; Lu, K.L.

Author Affiliation: Semicond. Manuf. Co., Hsin-Chu, Taiwan

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3882 p.193-9

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1999 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1999)3882L.193:OCEW;1-U

Material Identity Number: C574-1999-344

U.S. Copyright Clearance Center Code: 0277-786X/99/\$10.00

Conference Title: Process, Equipment, and Materials Control in Integrated Circuit Manufacturing V

Conference Sponsor: SPIE

Conference Date: 22-23 Sept. 1999 Conference Location: Santa Clara, CA, USA

Language: English

Subfile: B

Copyright 2000, IEE

Abstract: In the **photo process**, the **defect** of developer residue on wafer backside is always negligible. This defect is easy to induce...

5/3,K/6 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5780926 INSPEC Abstract Number: B9801-0100-105

**Title: 1997 IEEE/SEMI Advanced Semiconductor Manufacturing Conference and Workshop ASMC 97 Proceedings**

Publisher: IEEE, New York, NY, USA

Publication Date: 1997 Country of Publication: USA vi+460 pp.

ISBN: 0 7803 4050 7 Material Identity Number: XX97-02429

U.S. Copyright Clearance Center Code: 97/\$10.00

Conference Title: 1997 IEEE/SEMI Advanced Semiconductor Manufacturing Conference and Workshop ASMC 97 Proceedings

Conference Sponsor: Semicond. Equipment & Mater. Int. (SEMI); IEEE; IEEE Electron Devices Soc.; IEEE Components, Packaging & Manuf. Technol. Soc

Conference Date: 10-12 Sept. 1997 Conference Location: Cambridge, MA, USA

Language: English

Subfile: B

Copyright 1997, IEE

Abstract: The following topics were dealt with. Yield monitoring; simulation; process improvement; process deposition; etching; RTP; **defect** detection; **photoprocessing**; workforce development; wafer transport; and inventory control.

5/3,K/7 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5678101 INSPEC Abstract Number: B9710-2550G-021, C9710-3350E-017

**Title: Photocluster defect learning and develop process optimization**

Author(s): Bokelberg, E.H.; Goetz, J.L.; Pariseau, M.E.

Author Affiliation: Microelectron. Div., IBM Corp., Essex Junction, VT, USA

Conference Title: Proceedings of the Microlithography Seminar INTERFACE '96 p.127-39

Publisher: Olin Microelectron. Mater, Santa Clara, CA, USA

Publication Date: 1996 Country of Publication: USA 390 pp.

Material Identity Number: XX96-03057

Conference Title: Proceedings of Interface 96. Microlithography Seminar

Conference Sponsor: Olin Microelectron. Mater

Conference Date: 27-29 Oct. 1996 Conference Location: San Diego, CA, USA

Language: English

Subfile: B C

Copyright 1997, IEE

...Abstract: and prior-level problems can make it almost impossible to accurately determine the magnitude of **photo - process defects** when they occur or to even recognize their existence. Furthermore, lithographic process optimization to improve...

...Identifiers: **photo - process defects** ;

5/3,K/8 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5605090 INSPEC Abstract Number: B9707-2550G-083, C9707-3350E-011

**Title:** Using categorized defect learning to optimize photo processes  
**Author(s):** Bokelberg, E.H.; Goetz, J.L.; Pariseau, M.E.  
**Author Affiliation:** IBM Corp., Essex Junction, VT, USA  
**Journal:** Micro vol.15, no.3 p.37-8, 40, 42, 44, 46-9  
**Publisher:** Canon Communications,  
**Publication Date:** March 1997 **Country of Publication:** USA  
**CODEN:** MICRFI **ISSN:** 1081-0595  
**SICI:** 1081-0595(199703)15:3L.37:UCDL;1-2  
**Material Identity Number:** D303-97005  
**Language:** English  
**Subfile:** B C  
**Copyright:** 1997, IEE

**Title:** Using categorized defect learning to optimize photo processes

**5/3,K/9 (Item 5 from file: 2)**

DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03548638 INSPEC Abstract Number: B90008312, C90012430  
**Title:** Electrical defect monitoring for process control  
**Author(s):** King, C.F.; Gill, G.P.; Satterfield, M.J.  
**Author Affiliation:** Adv. Product Res. & Dev. Lab., Motorola Inc., Austin, TX, USA  
**Journal:** Proceedings of the SPIE - The International Society for Optical Engineering vol.1087 p.76-82  
**Publication Date:** 1989 **Country of Publication:** USA  
**CODEN:** PSISDG **ISSN:** 0277-786X  
**Conference Title:** Integrated Circuit Metrology, Inspection and Process Control III  
**Conference Sponsor:** SPIE  
**Conference Date:** 27-28 Feb. 1989 **Conference Location:** San Jose, CA, USA  
**Language:** English  
**Subfile:** B C

...Abstract: and etch processes are described briefly. The nature and origin of three different types of photo process defects are discussed together with methods of eliminating these defects; a track develop system gave lower...  
...Identifiers: photo process defects ;

**5/3,K/10 (Item 6 from file: 2)**

DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03277007 INSPEC Abstract Number: B89002386  
**Title:** Characterization of polyimide defects utilizing a backside etch/delamination technique  
**Author(s):** Berman, H.; Gluck, R.  
**Author Affiliation:** IBM Gen. Technol. Div., Essex Junction, VT, USA  
**Conference Title:** Proceedings ISTFA 1986: International Symposium for Testing and Failure Analysis 1986 p.223-6  
**Publisher:** ASM Int, Metals Park, OH, USA  
**Publication Date:** 1986 **Country of Publication:** USA xiii+327 pp.  
**ISBN:** 0 87170 236 3  
**Conference Date:** 20-24 Oct. 1986 **Conference Location:** Los Angeles, CA, USA  
**Language:** English  
**Subfile:** B

...Abstract: of all circuitry passivated with the polymer, other process steps may be assessed. Metallization and photo process defects can be

observed because they replicate in the polyimide film. Incomplete via openings are readily...

...Identifiers: photo process defects ;

5/3,K/11 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

07942397 Supplier Number: 66280259 (USE FORMAT 7 FOR FULLTEXT)  
**Improve yields, enhance CDs with integrated DUV resist track. (critical dimension;deep UV)**

Krishna, Murthy; Gurer, Emir; Zhong, Tom; Lee, Eddie; Salois, John  
Solid State Technology, v43, n10, p135

Oct, 2000

Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Refereed; Trade

Word Count: 3028

... 268-275, 1995.

(3.) E.H. Bokelberg, J.L. Goetz, M.E. Pariseau, "Using Categorized Defect Learning to Optimize Photo Processes , " MICRO, pp. 37-49, March 1997.

(4.) Khoi Phan, et al., "A Methodology for the...

5/3,K/12 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

12720799 SUPPLIER NUMBER: 66280259 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Improve yields, enhance CDs with integrated DUV resist track. (critical dimension;deep UV)**

Krishna, Murthy; Gurer, Emir; Zhong, Tom; Lee, Eddie; Salois, John  
Solid State Technology, 43, 10, 135

Oct, 2000

ISSN: 0038-111X LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 3233 LINE COUNT: 00271

... 268-275, 1995.

(3.) E.H. Bokelberg, J.L. Goetz, M.E. Pariseau, "Using Categorized Defect Learning to Optimize Photo Processes , " MICRO, pp. 37-49, March 1997.

(4.) Khoi Phan, et al., "A Methodology for the...

5/3,K/13 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

07702781 SUPPLIER NUMBER: 16519399 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**CONSOLIDATED GRAPHICS REACHES AGREEMENT WITH SBC COMMUNICATIONS.**

Business Wire, p02161037

Feb 16, 1995

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 477 LINE COUNT: 00038

TEXT:

...its affiliates, whereby SBC has paid Gulf Printing a total of \$3.2 million for unused printing services which included cancellation of \$2.3 million in interest-bearing debt.

5/3,K/14 (Item 1 from file: 810)

DIALOG(R)File 810:Business Wire

(c) 1999 Business Wire . All rts. reserv.

0728852 BW0325

**SEMI IEEE: 8th Annual SEMI/IEEE Advanced Semiconductor Manufacturing Conference and Workshop to be Held in September; Dr. Lester Thurow to Discuss the Changing Structure of the World Economy and New Strategies for Success in the Coming Millennium**

July 28, 1997

Byline: Business Editors & Computer Writers

...Simulation and Application; Equipment Efficiency and Productivity; International Perspective; Advanced Processing: Deposition, Etch, RTP and Photoprocessing ; Defect Detection, Analysis and Classification; Harnessing and Developing Workforce Potential; Automated Wafer Transport; World Class Time...

V

**5/3,K/15 (Item 2 from file: 810)**

DIALOG(R)File 810:Business Wire  
(c) 1999 Business Wire . All rts. reserv.

0464677 BW1037

**CONSOLIDATED GRAPHICS: CONSOLIDATED GRAPHICS REACHES AGREEMENT WITH SBC COMMUNICATIONS**

February 16, 1995

Byline: Business Editors

...its affiliates, whereby SBC has paid Gulf Printing a total of \$3.2 million for unused printing services which included cancellation of \$2.3 million in interest-bearing debt.  
In connection with the...

**5/3,K/16 (Item 1 from file: 47)**

DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2003 The Gale group. All rts. reserv.

05945617 SUPPLIER NUMBER: 66496162 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**The Face Behind the 'Face' on Mars: A Skeptical Look at Richard C.**

**Hoagland.**

POSNER, GARY P.  
Skeptical Inquirer, 24, 6, 20  
Nov, 2000

ISSN: 0194-6730 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 5622 LINE COUNT: 00433

... examining the frame cited at the news conference. "He's seeing some sort of a ( photo ) processing defect ."

In 1998, a bit more than a decade after publication of The Monuments of Mars...

**5/3,K/17 (Item 1 from file: 635)**

DIALOG(R)File 635:Business Dateline(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

2145188 69918651  
**After pulling the plug**  
Bronstad, Amanda  
Austin Business Journal v20n52 p3  
Mar 16, 2001  
WORD COUNT: 1,069  
DATELINE: Austin Texas

TEXT:

...It hopes to reach profitability by next year.

ASF makes software and hardware that eliminates **defects** in **photo processing** and scanning.

"A company that's not profitable - that was common a year ago, and...

7/3,K/1 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

01294868

Photographic processing compositions containing stain reducing agent  
Photographische Verarbeitungszusammensetzungen, die ein Mittel zur  
Reduzierung der Fleckenbildung enthalten  
Compositions de traitement photographique contenant un agent permettant de  
reduire les taches

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York  
14650, (US), (Applicant designated States: all)

INVENTOR:

Goswami, Ramanuj, Eastman Kodak Company, 343 State Street, Rochester, New  
York 14650-2201, (US)  
Craver, Mary E., Eastman Kodak Company, 343 State Street, Rochester, New  
York 14650-2201, (US)  
Price, Harry J., Eastman Kodak Company, 343 State Street, Rochester, New  
York 14650-2201, (US)

LEGAL REPRESENTATIVE:

Haile, Helen Cynthia et al (60522), Kodak Limited Patent, W92-3A,  
Headstone Drive, Harrow, Middlesex HA1 4TY, (GB)

PATENT (CC, No, Kind, Date): EP 1111459 A2 010627 (Basic)  
EP 1111459 A3 010926

APPLICATION (CC, No, Date): EP 2000204316 001204;

PRIORITY (CC, No, Date): US 464551 991216

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G03C-007/413; G03C-007/42; G03C-007/30;  
G03C-005/305; G03C-005/38

ABSTRACT WORD COUNT: 76

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200126	567
SPEC A	(English)	200126	6829
Total word count - document A			7396
Total word count - document B			0
Total word count - documents A + B			7396

...SPECIFICATION C-41 KODAK FLEXICOLOR Bleach (Eastman Kodak Company) to  
provide bleaching compositions of this invention. **Unexposed** samples of  
commercial **KODAK** Gold Max 800 **film** samples were processed so that no  
image dye was formed in the process. The film...

7/3,K/2 (Item 2 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

01292089

Photographic processing methods using compositions containing stain  
reducing agent  
Photographische Verarbeitungsverfahren die Zusammensetzungen zur  
Verminderung der Flecken verwenden  
Procede de traitement photographique utilisant des compositions contenant  
des agents pour reduire des taches

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York  
14650, (US), (Applicant designated States: all)

INVENTOR:

Goswami, Ramanuj, c/o Eastman Kodak Company, PLS, 343 State Street,

Rochester, New York 14650-2201, (US)  
Price, Harry J., c/o Eastman Kodak Company, PLS, 343 State Street,  
Rochester, New York 14650-2201, (US)  
Craver, Mary E., c/o Eastman Kodak Company, PLS, 343 State Street,  
Rochester, New York 14650-2201, (US)

LEGAL REPRESENTATIVE:

Haile, Helen Cynthia et al (60522), Kodak Limited Patent, W92-3A,  
Headstone Drive, Harrow, Middlesex HA1 4TY, (GB)

PATENT (CC, No, Kind, Date): EP 1109063 A1 010620 (Basic)

APPLICATION (CC, No, Date): EP 2000204292 001204;

PRIORITY (CC, No, Date): US 464961 991216

DESIGNATED STATES: BE; DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G03C-007/413; G03C-007/42; G03C-007/30;

G03C-005/305; G03C-005/38

ABSTRACT WORD COUNT: 75

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200125	632
SPEC A	(English)	200125	6784
Total word count - document A			7416
Total word count - document B			0
Total word count - documents A + B			7416

...SPECIFICATION Compound 1 was dissolved in solutions of the standard Process C-41 KODAK FLEXICOLOR Bleach ( **Eastman Kodak** Company). **Unexposed** strips of commercial **KODAK** Gold Max 800 **film** samples were processed so that no image dye was formed in the process. These film...9 except that Compound 1 was dissolved in the standard Process RA-4 Color Developer ( **Eastman Kodak** Company). **Unexposed** **film** samples of commercially available KODAK EDGE VII Color Paper and KODAK EP5 Color Paper were...

7/3,K/3 (Item 3 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00417570

Camera for use with film cassette having film-exposure status indicator.  
Kamera zum Gebrauch einer einen Filmbelichtungszustandsanzeiger  
aufweisenden Filmkassette.

Camera destinee a etre utilisee avec cassette pour film ayant un indicateur  
d'etat d'exposition d'un film.

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201214), 343 State Street, Rochester New York  
14650-2201, (US), (applicant designated states:  
BE;CH;DE;ES;FR;GB;IT;LI;NL)

INVENTOR:

Smart, David Clinton, c/o EASTMAN KODAK COMPANY, Patent Department, 343  
State Street, Rochester, New York 14650, (US)  
Baxter, Dennis Eugene, c/o EASTMAN KODAK COMPANY, Patent Department, 343  
State Street, Rochester, New York 14650, (US)

LEGAL REPRESENTATIVE:

Blickle, K. Werner, Dipl.-Ing. et al (2112), KODAK AKTIENGESELLSCHAFT  
Patentabteilung, D-70323 Stuttgart, (DE)

PATENT (CC, No, Kind, Date): EP 414037 A1 910227 (Basic)  
EP 414037 B1 940601

APPLICATION (CC, No, Date): EP 90115148 900807;

PRIORITY (CC, No, Date): US 390931 890808

DESIGNATED STATES: BE; CH; DE; ES; FR; GB; IT; LI; NL

INTERNATIONAL PATENT CLASS: G03B-007/24; G03B-017/24;

ABSTRACT WORD COUNT: 180

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	409
CLAIMS B	(German)	EPBBF1	361
CLAIMS B	(French)	EPBBF1	417
SPEC B	(English)	EPBBF1	6898
Total word count - document A			0
Total word count - document B			8085
Total word count - documents A + B			8085

Total word count - documents A + B

...SPECIFICATION substantially exposed, or generally unexposed.  
In conventional 35mm film manufacturers' cassettes, such as  
manufactured by **Eastman Kodak** Co. and **Fuji Photo Film** Co. Ltd.,  
the filmstrip is wound on a flanged spool which is rotatably supported  
within...

7/3,K/4 (Item 1 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00569376 \*\*Image available\*\*

METHODS AND ARTICLES FOR REGENERATING LIVING TISSUE  
PROCEDES ET ARTICLES POUR REGENERER DES TISSUS VIVANTS

Patent Applicant/Assignee:  
GORE ENTERPRISE HOLDINGS INC,

Inventor(s):

HARDWICK William R,

CLEEK Robert L,

COOK Alonzo D,

THOMSON Robert C,

MANE Shrikant M,

Patent and Priority Information (Country, Number, Date):

WO 200032749 A2 20000608 (WO 0032749)

Patent:

WO 99US28562 19991202 (PCT/WO US9928562)

Application:

Priority Application: US 98205521 19981203

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ  
VN YU ZW AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF  
CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 25154

Fulltext Availability:

Detailed Description

Detailed Description

... immediately following harvest. The specimen blocks are placed on their  
lingual surface directly on an **unexposed** radiographic dental **film** ( **Kodak**  
**Ultraspeed 6 DF-50, Size 4**). A dental X-ray machine (Siemens  
**Heliodent 6 Model...**

7/3,K/5 (Item 2 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00195212  
FIXING BATH FOR BLACK AND WHITE PHOTOGRAPHIC ELEMENTS  
BAIN DE FIXAGE POUR ELEMENTS PHOTOGRAPHIQUES NOIRS ET BLANCS

Patent Applicant/Assignee:  
EASTMAN KODAK COMPANY,

Inventor(s):

MCGUCKIN Hugh Gerald,  
BLOUNT Michael George,  
SCHWARTZ Paul Andrew,  
MCLAEN Donald Francis,  
LYON James Leonard,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9112564 A1 19910822  
Application: WO 91US580 19910130 (PCT/WO US9100580)  
Priority Application: US 90203 19900207

Designated States: AT BE CH DE DK ES FR GB GR IT JP LU NL SE

Publication Language: English

Fulltext Word Count: 2810

Fulltext Availability:

Detailed Description

Detailed Description

... MAX (SHEET FILM) 0.21 0.07 0.08

Example 7

In this Example, an **unexposed Kodak T-MAX 100 Film** is manually rocked in a tray containing the fixing bath in accordance with Example 1...

7/3,K/6 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03408331 INSPEC Abstract Number: A89085120, B89051964

Title: Dosimetry of  $10^{sup} 2$ - $10^{sup} 6$  Gy Co gamma -rays with photographic detectors without processing

Author(s): Heilmann, C.; Portal, G.; Marchioni, E.; Seltz, R.

Author Affiliation: CRN, BAEN, Strasbourg, France

Journal: Nuclear Tracks and Radiation Measurements vol.15, no.1-4 p.519-22

Publication Date: 1988 Country of Publication: UK

CODEN: NTRMDS ISSN: 0191-278X

U.S. Copyright Clearance Center Code: 0191-278X/89/\$3.00+.00

Conference Title: 14th International Conference on Solid State Nuclear Track Detectors

Conference Date: 2-6 April 1988 Conference Location: Lahore, Pakistan

Language: English

Subfile: A B

...Abstract: exposure, thermal neutron activation and X-ray fluorescence techniques were applied to determine Ag in **unprocessed** but fixed **Kodak NTA** and **INDUSTREX films**. Exposures as high as  $10^{sup} 6$  Gy which cannot be evaluated in processed films...

7/3,K/7 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2003 The Gale Group. All rts. reserv.

05658821 Supplier Number: 50117639 (USE FORMAT 7 FOR FULLTEXT)

Airport alert: Eastman Kodak Co.

Dlorio, Carl

Hollywood Reporter, v353, n4, p34

June 18, 1998

Language: English Record Type: Fulltext

Article Type: Article

Document Type: Magazine/Journal; Trade

Word Count: 61

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...X-ray scanner used to inspect luggage at more than 50 international airports will damage **unprocessed** **film**. **Kodak** suggests that those using commercial flights to ship film hand-carry it onto planes and...

7/3,K/8 (Item 2 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

03621064 Supplier Number: 45101594 (USE FORMAT 7 FOR FULLTEXT)

**Photokina Report: Professional Products**

Photographic Trade News, p14

Nov, 1994

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1829

... a new version that has lower sensitivity to process variations, plus improved keeping characteristics for **unexposed** **film**. **Kodak** also demonstrated improved 3-D Depth Images, now as large as 32" x 40" - and...

7/3,K/9 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c) 2003 The Gale Group. All rts. reserv.

06189541 SUPPLIER NUMBER: 13005073 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Products of the year.**

Sprout, Alison L.

Fortune, v126, n14, p64(6)

Dec 28, 1992

ISSN: 0015-8259 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1942 LINE COUNT: 00147

7/3,K/10 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

01871567 SUPPLIER NUMBER: 17625894 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**High-resolution output. (Seybold San Francisco '95, Part I) (Industry Trend or Event)**

Seybold Report on Publishing Systems, v25, n4, ps24(9)

Oct 23, 1995

ISSN: 0736-7260 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 9458 LINE COUNT: 00745

... However, unlike the situation with the Polaroid technology, the dye that is removed from the **film** is green, which means that **unexposed** areas remain green. ( **Kodak** says it could have been made any color, but green seemed like a good choice...)

7/3,K/11 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

02099189 65226167

**What a picture!**

Baker, Glenn

New Zealand Management v47n10 PP: 99-101 Nov 2000

ISSN: 1174-5339 JRNL CODE: MNZ

WORD COUNT: 1985

...TEXT: are soon realised because processing and scanning are eliminated; there is no money wasted on **unused film**; and as **Kodak**'s Penny Leith points out, "businesses can verify that they have the right shots straight

...

7/3,K/12 (Item 1 from file: 570)  
DIALOG(R)File 570:Gale Group MARS(R)  
(c) 2003 The Gale Group. All rts. reserv.

01667543 Supplier Number: 50117639 (USE FORMAT 7 FOR FULLTEXT)

**Airport alert: Eastman Kodak Co.**

Dlorio, Carl

Hollywood Reporter, v353, n4, p34

June 18, 1998

ISSN: 0018-3660

Language: English Record Type: Fulltext

Article Type: Article

Document Type: Magazine/Journal; Trade

Word Count: 61

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...X-ray scanner used to inspect luggage at more than 50 international airports will damage **unprocessed film**. **Kodak** suggests that those using commercial flights to ship film hand-carry it onto planes and...

*RW*

File 635:Business Dateline(R) 1985-2003/Jan 30  
(c) 2003 ProQuest Info&Learning  
File 476:Financial Times Fulltext 1982-2003/Jan 30  
(c) 2003 Financial Times Ltd  
File 477:Irish Times 1999-2003/Jan 30  
(c) 2003 Irish Times  
File 710:Times/Sun.Times(London) Jun 1988-2003/Jan 30  
(c) 2003 Times Newspapers  
File 711:Independent(London) Sep 1988-2003/Jan 30  
(c) 2003 Newspaper Publ. PLC  
File 756:Daily/Sunday Telegraph 2000-2003/Jan 30  
(c) 2003 Telegraph Group  
File 757:Mirror Publications/Independent Newspapers 2000-2003/Jan 30  
(c) 2003  
File 387:The Denver Post 1994-2003/Jan 28  
(c) 2003 Denver Post  
File 471:New York Times Fulltext 90-Day 2003/Jan 30  
(c) 2003 The New York Times  
File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
(c) 2002 Phoenix Newspapers  
File 494:St LouisPost-Dispatch 1988-2003/Jan 27  
(c) 2003 St Louis Post-Dispatch  
File 498:Detroit Free Press 1987-2003/Jan 29  
(c) 2003 Detroit Free Press Inc.  
File 631:Boston Globe 1980-2003/Jan 29  
(c) 2003 Boston Globe  
File 633:Phil.Inquirer 1983-2003/Jan 29  
(c) 2003 Philadelphia Newspapers Inc  
File 638:Newsday/New York Newsday 1987-2003/Jan 29  
(c) 2003 Newsday Inc.  
File 640:San Francisco Chronicle 1988-2003/Jan 30  
(c) 2003 Chronicle Publ. Co.  
File 641:Rocky Mountain News Jun 1989-2003/Jan 27  
(c) 2003 Scripps Howard News  
File 702:Miami Herald 1983-2003/Jan 27  
(c) 2003 The Miami Herald Publishing Co.  
File 703:USA Today 1989-2003/Jan 29  
(c) 2003 USA Today  
File 704:(Portland)The Oregonian 1989-2003/Jan 29  
(c) 2003 The Oregonian  
File 713:Atlanta J/Const. 1989-2003/Jan 30  
(c) 2003 Atlanta Newspapers  
File 714:(Baltimore) The Sun 1990-2003/Jan 30  
(c) 2003 Baltimore Sun  
File 715:Christian Sci.Mon. 1989-2003/Jan 30  
(c) 2003 Christian Science Monitor  
File 725:(Cleveland)Plain Dealer Dec 1991-2002/Dec 31  
(c) 2003 The Plain Dealer  
File 735:St. Petersburg Times 1989- 2000/Nov 01  
(c) 2000 St. Petersburg Times  
?ds

Set	Items	Description
S1	689245	PHOTOFINISH? OR PHOTO()FINISH? OR PHOTOPROCESS? OR PHOTO() - PROCESS? OR PHOTOSERVIC? OR PHOTOGRAPH?
S2	47636	(PROCESS? OR DEVELOP?) (5N) (FILM? OR IMAGE? OR PICTURE? OR - ROLL? ? OR FRAME? ? OR PRINT OR PRINTS OR CASSETTE?)
S3	412	(PROCESS? OR DEVELOP?) (5N) (DIGITAL OR DIGITI?) () (FILM? OR - IMAGE? OR PICTURE? OR ROLL? ? OR FRAME? ? OR PRINT OR PRINTS - OR CASSETTE?)
S4	79110	KODAK? OR EASTMAN? OR FUJI?
S5	11074	(UNPRINT? OR UNEXPOS? OR UNUSED OR UNUSABLE OR UNPRINT? OR UNPROCESS? OR DEFECT? OR BLANK OR DAMAGE? ?) (5N) (FILM ? ? OR - IMAGE? ? OR PICTURE? ? OR DIGITAL? OR ROLL? ? OR FRAME? ? OR - PHOTOGRAPHIC? OR PRINT OR PRINTS OR CASSETTE?)

S6 2435550 CREDIT? ? OR CREDITING OR GIFT()CERTIFICATE? OR GIFT? ? OR REBATE? OR REBATING? OR INCENTIV? OR REWARD? OR DISCOUNT? OR - SPECIAL()OFFER? OR REDEEM? OR REDEMPT?

S7 4084283 ASSIGN? ? OR AUTOMATIC? OR GIVE OR GIVING OR ALLOCAT? OR ALLOT? OR AUTHORIZ? OR AUTHORIS?

S8 111535 S7(3N) (CREDIT? ? OR CREDITING OR GIFT()CERTIFICATE? OR FILM? OR GIFT? ? OR ROLL? ? OR REBATE? OR REBATING? OR INCENTIV? OR REWARD? OR DISCOUNT? OR SPECIAL()OFFER? OR REDEEM? OR REDEMPT?)

S9 27078 (TRACK? OR MONITOR?) (5N) (ORDER? ? OR REQUEST? ? OR PURCHAS? OR SALE? ? OR RE()ORDER? OR REORDER?)

S10 21352 (TRACK? OR MONITOR?) (5N) (CUSTOMER? OR CLIENT? OR BUYER? OR PERSON? ? OR ACCOUNT OR ACCOUNTS)

S11 3872 (TRACK? OR MONITOR?) (5N) (UNPRINT? OR UNEXPOS? OR UNUSED OR UNUSABLE OR UNPRINT? OR UNPROCESS? OR DEFECT? OR BLANK? ? OR - DAMAGE? ?)

S12 2348 LOYALTY(3N) (CARD? OR ACCOUNT?)

S13 252 (S1 OR S2 OR S3) (5N) S5

S14 2 S13(S) S6

S15 2 RD (unique items)

S16 0 S13(S) (S9 OR S10 OR S11 OR S12)

S17 11 S4(5N) S5

S18 11 S17 NOT S15

S19 11 RD (unique items)

S20 729 S4(5N) S6

S21 0 S20(S) (S9 OR S10 OR S11 OR S12)

15/3,K/1 (Item 1 from file: 471)  
DIALOG(R)File 471:New York Times Fulltext 90-Day  
(c) 2003 The New York Times. All rts. reserv.

04290739 NYT Sequence Number: 478440021220 (USE FORMAT 7 FOR FULLTEXT)  
**THREATS AND RESPONSES: AIRPORT SECURITY; Agency Gives Revised Rules For Air Travel**

MATTHEW L. WALD  
New York Times, Late Edition - Final ED, COL 01, P 22  
Friday December 20 2002  
DOCUMENT TYPE: Newspaper LANGUAGE: English RECORD TYPE: Fulltext  
SECTION HEADING: SECTA  
Word Count: 305

... that they did not want handled they should pack the items in clear plastic bags. **Photographic** film can be **damaged** by the X-rays in scanning, and the agency advises travelers not to wrap **gifts**, whether checked or carried on, because they may have to be opened for inspection.

15/3,K/2 (Item 1 from file: 640)  
DIALOG(R)File 640:San Francisco Chronicle  
(c) 2003 Chronicle Publ. Co. All rts. reserv.

06559183  
**UNITED WAY CHIEF QUILTS AMID MONEY QUESTIONS**  
San Francisco Chronicle (SF) - FRIDAY February 28, 1992  
By: Teresa Moore, Chronicle Staff Writer  
Edition: FINAL Section: NEWS Page: A1  
Word Count: 725

... melding together the far-flung United Way network, but said the reports of mismanagement had **damaged** the agency's public **image**.

" **Credit** takes years to **develop** and days to undo," said Tom Ruppanner, president of the United Way of the Bay...

.19/3,K/1 (Item 1 from file: 635)  
DIALOG(R)File 635:Business Dateline(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

0263807 92-10105

**Fujitsu's POS Terminals Strike the Right Note With Music and Video Chain**  
Forbes, Donna; Carlson, Gwen  
Business Wire (San Francisco, CA, US) s1 pl  
PUBL DATE: 920113  
WORD COUNT: 453  
DATELINE: San Diego, CA, US

TEXT:

...World Music offers a wide selection of entertainment products including pre-recorded audio and video **cassettes**, compact discs, video games, **blank** audio and video **cassettes**, video rental and related accessories.

**Fujitsu** Systems of America Inc. is one of the Fujitsu Ltd. family of companies. A global...

**19/3,K/2 (Item 1 from file: 476)**  
DIALOG(R)File 476:Financial Times Fulltext  
(c) 2003 Financial Times Ltd. All rts. reserv.

0010549806 A20000726349-FB-FT

**WORLD NEWS: LATIN AMERICA & CARIBBEAN: Fujimori under siege as third term begins PERU DEMONSTRATION HUNDREDS OF THOUSANDS GATHER IN THE CAPITAL AS PROTEST LOOKS SET TO OVERSHADOW PRESIDENT'S S:**

PAUL KELLER

Financial Times, USA Ed1 ED, P 5

Wednesday, July 26, 2000

DOCUMENT TYPE: NEWSPAPER; Stories LANGUAGE: ENGLISH RECORD TYPE:

FULLTEXT SECTION HEADING: WORLD NEWS: LATIN AMERICA & CARIBBEAN

Word Count: 937

...to use batons and tear-gas to quell previous demonstrations.  
Heavy-handed policing could further **damage** Peru's **image** abroad.

Mr **Fujimori** 's own standing abroad has never been lower and, while they have accepted the election...

**19/3,K/3 (Item 1 from file: 387)**  
DIALOG(R)File 387:The Denver Post  
(c) 2003 Denver Post. All rts. reserv.

00652784 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**BRIEFING**

Denver Post, THU1 ED, P C-02

Thursday, August 15, 1996

DOCUMENT TYPE: NEWSPAPER; BRIEFS LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT SECTION HEADING: BUSINESS

Word Count: 1,203

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...were  
affected. (AP)

**KODAK OFFER:** Eastman Kodak Co. is offering to reprint for free any **Kodak** photograph that is **damaged**. Any **damaged** **picture** made from **Kodak** film and printed on Kodak paper featuring the Olympic

logo should be sent to the...

**19/3,K/4 (Item 1 from file: 492)**  
DIALOG(R)File 492:Arizona Repub/Phoenix Gaz  
(c) 2002 Phoenix Newspapers. All rts. reserv.

10760071  
**VIDEO PUTS SPY CHIEF IN NEW PERU SCANDAL**  
Arizona (AR)  
) - Saturday, September 16, 2000  
By: Associated Press  
Edition: Final Chaser Section: Front Page: A12  
Word Count: 279

...thick wad of bills.

The video plunged Peru into a fresh political scandal just as **Fujimori** has been working to undo **damage** to his **image** abroad set off by charges of fraud in his election to an unprecedeted third term...

**19/3,K/5 (Item 1 from file: 494)**  
DIALOG(R)File 494:St LouisPost-Dispatch  
(c) 2003 St Louis Post-Dispatch. All rts. reserv.

10761191  
**PERU'S EMBATTLED PRESIDENT FUJIMORI CALLS NEW ELECTIONS, SAYS HE WON'T RUN HIS RE-ELECTION HAS BEEN CRITICIZED INTERNATIONALLY AS CORRUPT**  
St. Louis Post Dispatch (SL) - Sunday, September 17, 2000  
By: News Services  
Edition: FIVE STAR Section: NEWS Page: A1  
Word Count: 655

...in this year's presidential elections.

The political storm over the bribery allegations came as **Fujimori** was trying to repair **damage** to his **image** abroad from charges of widespread fraud in his election to an unprecedeted third term in...

**19/3,K/6 (Item 1 from file: 633)**  
DIALOG(R)File 633:Phil.Inquirer  
(c) 2003 Philadelphia Newspapers Inc. All rts. reserv.

11860050  
**Self-serve digital processing**  
Philadelphia Inquirer (PI) - Thursday, December 26, 2002  
By: Ron Harris ASSOCIATED PRESS  
Edition: CITY-D Section: TECH.LIFE Page: C03  
Word Count: 600

...photographers to pick only the photos they want.

Some kiosks even allow you to burn **images** to a **blank** CD.

**Kodak Picture** Maker machines are found in Safeway grocery stores and Walgreens drugstores, while Fujifilm machines are...

**19/3,K/7 (Item 2 from file: 633)**  
DIALOG(R)File 633:Phil.Inquirer  
(c) 2003 Philadelphia Newspapers Inc. All rts. reserv.

11753006

**News in Brief**

Philadelphia Inquirer (PI) - Tuesday, September 10, 2002

Edition: CITY-D Section: NATIONAL Page: A02

Word Count: 869

... suffer an electrical shock, the Consumer Product Safety Commission said yesterday. Because of a manufacturing **defect** in **Kodak**'s DC5000 Zoom **Digital Camera**, a rugged model geared to users in the real estate, construction and insurance fields...

**19/3,K/8 (Item 1 from file: 702)**

DIALOG(R)File 702:Miami Herald

(c) 2003 The Miami Herald Publishing Co. All rts. reserv.

08727107

**NATIONAL SEC STALLED ON PROBE OF NASDAQ, DOCUMENTS SHOW**

Miami Herald (MH) - Wednesday, August 14, 1996

By: From Herald Staff and Wire Reports And Bloomberg Business News

Edition: FINAL Section: BUSINESS Page: 1C

Word Count: 842

...itself.

**KODAK WILL REPLACE PHOTOS**

Eastman Kodak Co. is offering to reprint for free any **Kodak** photograph that is **damaged**. Any **damaged** **picture** made from **Kodak** film and printed on Kodak paper featuring the Olympic logo should be sent to the...

**19/3,K/9 (Item 2 from file: 702)**

DIALOG(R)File 702:Miami Herald

(c) 2003 The Miami Herald Publishing Co. All rts. reserv.

04068463

**CHILI RECIPE HOT WINNER IN CONTEST**

Miami Herald (MH) - TUE SEP 15 1987

By: CAROLYN MITTERMAIER Herald Staff Writer

Edition: BRWRD Section: BRWD N Page: 1BR

Word Count: 430

...lone contestant who went home empty-handed.

Once, he won a consolation prize -- a few **blank** **cassette** tapes -- in a **Fuji** promotion.

Since Williams learned two weeks ago that he won the drawing, his chili has...

**19/3,K/10 (Item 1 from file: 703)**

DIALOG(R)File 703:USA Today

(c) 2003 USA Today. All rts. reserv.

08721116

**Flashy features offer picture of better days**

USA TODAY (US) - WEDNESDAY December 13, 2000

By: Edward C. Baig

Edition: FINAL Section: LIFE Page: 03D

Word Count: 36

...memory card.

But I can't readily blame Iomega for other problems associated with

viewing **images** in this manner: Namely, every **defect** in the **frames** I took with a **Kodak** digital camera was magnified on the larger screen.

FotoShow has potential, but it'll have...

19/3,K/11 (Item 2 from file: 703)  
DIALOG(R)File 703:USA Today  
(c) 2003 USA Today. All rts. reserv.

06540263

**U.S. COMPANIES PUSH FOR PERFECTION**  
USA Today (US) - TUESDAY December 1, 1992  
By: John Hillkirk  
Edition: FINAL Section: MONEY Page: 01B  
Word Count: 400

... Kodak says a 35mm film negative is made up of an almost infinite number of **photographic** elements. Eliminating every possible **defect** is a goal at **Kodak** as well as Japanese filmmakers Fuji and Konishiroku, maker of Konica film.

With Motorola's...

*Ruf*

File 9:Business & Industry(R) Jul/1994-2003/Jan 29  
(c) 2003 Resp. DB Svcs.  
File 15:ABI/Inform(R) 1971-2003/Jan 30  
(c) 2003 ProQuest Info&Learning  
File 20:Dialog Global Reporter 1997-2003/Jan 30  
(c) 2003 The Dialog Corp.  
File 95:TEME-Technology & Management 1989-2003/Jan W2  
(c) 2003 FIZ TECHNIK  
File 476:Financial Times Fulltext 1982-2003/Jan 30  
(c) 2003 Financial Times Ltd  
File 610:Business Wire 1999-2003/Jan 30  
(c) 2003 Business Wire.  
File 613:PR Newswire 1999-2003/Jan 30  
(c) 2003 PR Newswire Association Inc  
File 624:McGraw-Hill Publications 1985-2003/Jan 29  
(c) 2003 McGraw-Hill Co. Inc  
File 634:San Jose Mercury Jun 1985-2003/Jan 29  
(c) 2003 San Jose Mercury News  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

?ds

Set	Items	Description
S1	565025	PHOTOFINISH? OR PHOTO()FINISH? OR PHOTOPROCESS? OR PHOTO() - PROCESS? OR PHOTOSERVIC? OR PHOTOGRAPH?
S2	179445	(PROCESS? OR DEVELOP?) (5N) (FILM? OR IMAGE? OR PICTURE? OR - ROLL? ? OR FRAME? ? OR PRINT OR PRINTS OR CASSETTE?)
S3	4244	(PROCESS? OR DEVELOP?) (5N) (DIGITAL OR DIGITI?) () (FILM? OR - IMAGE? OR PICTURE? OR ROLL? ? OR FRAME? ? OR PRINT OR PRINTS - OR CASSETTE?)
S4	218136	KODAK? OR EASTMAN? OR FUJI?
S5	15901	(UNPRINT? OR UNEXPOS? OR UNUSED OR UNUSABLE OR UNPRINT? OR UNPROCESS? OR DEFECT? OR BLANK OR DAMAGE? ?) (5N) (FILM ? ? OR - IMAGE? ? OR PICTURE? ? OR DIGITAL? OR ROLL? ? OR FRAME? ? OR - PHOTOGRAPHIC? OR PRINT OR PRINTS OR CASSETTE?)
S6	3448605	CREDIT? ? OR CREDITING OR GIFT()CERTIFICATE? OR GIFT? ? OR REBATE? OR REBATING? OR INCENTIV? OR REWARD? OR DISCOUNT? OR - SPECIAL()OFFER? OR REDEEM? OR REDEMP?
S7	4809068	ASSIGN? ? OR AUTOMATIC? OR GIVE OR GIVING OR ALLOCAT? OR A- LLOT? OR AUTHORIZ? OR AUTHORIS?
S8	106430	S7(3N) (CREDIT? ? OR CREDITING OR GIFT()CERTIFICATE? OR FIL- M? OR GIFT? ? OR ROLL? ? OR REBATE? OR REBATING? OR INCENTIV? OR REWARD? OR DISCOUNT? OR SPECIAL()OFFER? OR REDEEM? OR REDE- MPT?)
S9	88390	(TRACK? OR MONITOR?) (5N) (ORDER? ? OR REQUEST? ? OR PURCHAS? OR SALE? ? OR RE()ORDER? OR REORDER?)
S10	90954	(TRACK? OR MONITOR?) (5N) (CUSTOMER? OR CLIENT? OR BUYER? OR PERSON? ? OR ACCOUNT OR ACCOUNTS)
S11	7802	(TRACK? OR MONITOR?) (5N) (UNPRINT? OR UNEXPOS? OR UNUSED OR UNUSABLE OR UNPRINT? OR UNPROCESS? OR DEFECT? OR BLANK? ? OR - DAMAGE? ?)
S12	11800	LOYALTY(3N) (CARD? OR ACCOUNT?)
S13	1040	(S1 OR S2 OR S3) (5N) S5
S14	4	S13(S) S6
S15	4	RD (unique items)
S16	1	S13(S) S8
S17	1	RD (unique items)
S18	1	S17 NOT S15
S19	40	S13(S) (S9 OR S10 OR S11 OR S12)
S20	40	S19 NOT (S15 OR S18)
S21	40	RD (unique items)
S22	19	S4(5N) S5
S23	0	S22(5N) (S6 OR S8)

15/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2003 Resp. DB Svcs. All rts. reserv.

01282190

**VIDEOTAPE: Retail prices stabilising in lackluster blank videotape segment  
(Trends in the videotape segment of the chain drug retailing industry are  
discussed by industry executives)**

Chain Drug Review, v 17, n 17, p 46

September 11, 1995

DOCUMENT TYPE: Journal; Interview ISSN: 0164-9914 (United States)

LANGUAGE: English RECORD TYPE: Abstract

**ABSTRACT:**

...the growth in camcorder sales, there is more demand for expensive VHS-Compact and 8mm **cassettes**. Some retailers are incorporating **blank** videotape as part of their **photography** departments. Execs discuss the market for blank tape; the effect of promotions that offer a premium item or **rebate**; the future of the category and the role chain drug stores will play; and how...

15/3,K/2 (Item 1 from file: 20)

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

20189211

**Chicago Post Office Expands Hours for Holiday Mail Season**

PR NEWSWIRE

December 07, 2001

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 791

... post office. Some locations offer decorative boxes and expander packs that are suitable for mailing **gifts**. Addressing tips - Write, type, or print the complete address neatly. Always use a return address...

15/3,K/3 (Item 1 from file: 613)

DIALOG(R)File 613:PR Newswire  
(c) 2003 PR Newswire Association Inc. All rts. reserv.

00687269 20011207CGF023 (USE FORMAT 7 FOR FULLTEXT)

**Chicago Post Office Expands Hours for Holiday Season**

PR Newswire

Friday, December 7, 2001 16:03 EST

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSPRICE

WORD COUNT: 765

...Stuff glass and fragile hollow items, like vases, with newspaper or packing material to avoid **damage** due to shock. When mailing **framed photographs**, take the glass out of the frame and wrap it separately.

- Remove batteries from toys...

...post

office. Some locations offer decorative boxes and expander packs that are suitable for mailing **gifts**.

Addressing tips

- Write, type, or print the complete address neatly. Always use a return address...

15/3,K/4 (Item 1 from file: 813)  
DIALOG(R)File 813:PR Newswire  
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1147433 DEW004  
IN

DATE: September 3, 1997 09:02 EDT WORD COUNT: 541

... find what they're looking for immediately; an expanded greeting card selection which includes humorous, **photographic**, **blank** and religious cards; one-stop shopping features like a custom imprinting department and a larger **gift** area; and a large expansion on quality party supplies for children, adults, themes, weddings and...

17/3,K/1 (Item 1 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00914756 F95070234974

A fractal approach to the segmentation of microcalcifications in digital mammograms

(Eine fraktale Naeherung bei der Segmentierung von Mikrokalzifikationen in digitalen Mammogrammen)

Lefebvre, F; Benali, H; Gilles, R; Kahn, E; Di Paola, R

INSERM U66, Inst. Gustave Roussy, Villejuif, F; Inst. Gustave Roussy,

Service de radiodiagnostic, Villejuif, F

Medical Physics, v22, n4, pp381-390, 1995

Document type: journal article Language: English

Record type: Abstract

ISSN: 0094-2405

...DESCRIPTORS: CALCIFICATION; MODEL STUDY; DIGITAL FILMS; ITERATIVE METHOD;  
; THRESHOLD VALUE; ARTEFACT; CLUSTER ANALYSIS; IMAGE ANALYSIS; COMPARISON;  
**AUTOMATIC EVALUATION; RADIOGRAPHY; PHOTOGRAPHIC FILMS ; ANALOGUE**  
**DIGITAL CONVERSION; DEFECT ; FRACTALS**

21/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2003 Resp. DB Svcs. All rts. reserv.

02975734

**Data from trashed tapes no problem with new technique**  
**(Commerce Dept labs develop second harmonic magnetoresistive microscopy, a**  
**technique developing images of damaged tape tracks )**  
Machine Design, v 72, n 22, p 42  
November 16, 2000  
DOCUMENT TYPE: Journal ISSN: 0024-9114 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 104

**(Commerce Dept labs develop second harmonic magnetoresistive microscopy, a**  
**technique developing images of damaged tape tracks )**

TEXT:

...at two Commerce Dept. labs in Boulder, Colo. The technique, dubbed second harmonic magnetoresistive microscopy, **develops images** of the **damaged tracks** using high-resolution magnetic sensors developed for hard-disc drives. The sensors map microscopic magnetic fields across **damaged** or distorted **tracks**, letting investigators rebuild and replay the original signal. The technique not only reconstructs data, but...

21/3,K/2 (Item 1 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

02512281 239139511

**Guarding the Web**  
Bauer, Chris  
Printing Impressions v45n6 PP: 63-64 Nov 2002  
ISSN: 0032-860X JRNL CODE: PRI  
WORD COUNT: 1601

...TEXT: web printing and inspection-- visual capabilities, virtual repeat technology, job save, positional memory and reference **image** comparison. Additional **process** controls ( **defect** detection, color

**monitoring** , register control, etc.) are added when the system is first installed or at any time...

21/3,K/3 (Item 2 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01504644 01-55632  
**Managing turbine-generator outages by computer**  
Reinhart, Eugene R  
Mechanical Engineering v119n9 PP: 84-87 Sep 1997  
ISSN: 0025-6501 JRNL CODE: MEG  
WORD COUNT: 2427

...TEXT: are included in the TOPS program. Along with the text documentation are hypertext links to **images** (from scanned **photographs** ) of the **defective** parts replaced and of the new parts as installed for comparison. With this documentation, utility personnel can look for recurring **damage** and **monitor** parts that have worn excessively, become fatigued, or failed previously.

(Photograph Omitted)

Captioned as: In...

**21/3,K/4 (Item 3 from file: 15)**  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00889390 95-38782

**Computer-based automation and controls**

Anonymous

Iron Age New Steel v10n7 PP: 38-45 Jul 1994

ISSN: 0897-4365 JRNLD CODE: IAM

WORD COUNT: 4721

...TEXT: W. 7th Ave. Homestead PA 15136

PH: 412-461-4110

FAX: 412-461-5400

SERVICES: **Monitoring** and data logging, computer-based **defect -mapping** systems for **roll** surfaces, programmable **processor** for machine tools

CONTACT: Frank Musto, VP Technical Sales and Service; Paul C. Fleiner, VP

...

**21/3,K/5 (Item 1 from file: 20)**

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

12059953 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**India: Post-flood operations gaining momentum**

Our Staff Reporter

HINDU

July 24, 2000

JOURNAL CODE: FHIN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 510

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... if any, crop damage, loss of private and government property. They were asked to build **photographic** records of the **damages**.

The sectoral officers **monitoring** the relief operations were asked to run the relief camps until normality returned in the...

**21/3,K/6 (Item 1 from file: 95)**

DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01700522 20021206371

**Surface quality control of ceramic tiles using neural networks approach**

Hocenski, ZF; Nyarko, EK

Fac. of Electr. Engng. Osijek, HR

ISIE 2002. Proceedings of the 2002 IEEE International Symposium on Industrial Electronics (Cat. No.02TH8608C), 8-11 July 2002, L'Aquila, Italy 2002

Document type: Conference paper Language: English

Record type: Abstract

ISBN: 0-7803-7369-3

DESCRIPTORS: CERAMICS; IMAGE CLASSIFICATION; ARTIFICIAL NEURAL NETWORKS; LIKELIHOOD; QUALITY **MONITORING** ; CERAMIC TILES; IMAGE PROCESSING ;

SURFACE DEFECTS

21/3,K/7 (Item 2 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01671058 20020901251

**Intelligent road surface inspection system to prevent harmful vibration**  
(Ein intelligentes System der Strassenoberflaechenpruefung zur Vermeidung  
schaedigender Schwingungen)  
Sugioka, K; Matsumoto, S  
Hanshin Expressway Public Corp., Osaka, J  
IABMAS '02, Proceedings of the First International Conference on Bridge  
Maintenance, Safety and Management, Barcelona, E, July 14-17, 2002  
Document type: CD-ROM; 06 Conference paper Language: English  
Record type: Abstract  
ISBN: 84-95999-05-6

...DESCRIPTORS: NONDESTRUCTIVE TESTING; OPTICAL TESTING; OBSERVATION; ROAD  
CONSTRUCTION; PAVEMENTS; CONDITION MONITORING ; IMAGE PROCESSING ;  
DEFECT DETECTION; TEST EQUIPMENT; LIGHT SECTION METHOD

21/3,K/8 (Item 3 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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01652921 20020606673

**Analyse auftretender Fertigungsfehler. Voraussetzung fuer den optimalen  
Einsatz von AOI-Systemen**  
Schmidt, H; Kokott, J  
Siemens, Karlsruhe, D; Goepel electronic, Jena, D  
EPP - Elektronik Produktion und Prueftechnik, v56, n6/7, pp74,76,78, 2002  
Document type: journal article Language: German  
Record type: Abstract  
ISSN: 0172-6250

DESCRIPTORS: ELECTRONICS ASSEMBLY; PC BOARD ASSEMBLY; DEFECT DETECTION;  
EARLY DETECTION OF DEFECTS ; PROCESS MONITORING ; IMAGE PROCESSING ;  
ARTIFICIAL VISION

21/3,K/9 (Item 4 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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01610507 20020204225

**Gebrannt ist gebrannt? Siebdruck bei der Fliesen-Glasur automatisch  
ueberwacht**  
Massen, R; Horrer, A; Franz, T; Schroeder, D  
Massen Machine Vision Syst., Konstanz, D  
Schweizer Maschinenmarkt, v17, n6, pp23-24,26,28, 2002  
Document type: journal article Language: German  
Record type: Abstract  
ISSN: 0036-7397

DESCRIPTORS: CASH RECOVERY PERIOD; IMAGE RECOGNITION; IMAGE PROCESSING  
; DEFECT DETECTION; FABRICATION DEFECTS ; MANUFACTURING PROCESS  
MONITORING ; TILE; GLAZING...

21/3,K/10 (Item 5 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01607386 20020105623

**Qualitaet sehen - Qualitaet sichern: Neue Inspektionsloesungen fuer die  
Vliesstoffindustrie**

Sir, A

Erhardt + Leimer, Augsburg, D

Taschenbuch fuer die Textilindustrie 2002 Taschenbuch fuer die  
Textilindustrie, v29, n6, pp220-226, 2002

Document type: Book chapter Language: German

Record type: Abstract

ISBN: 3-7949-0674-8

ISSN: 0082-1896

**DESCRIPTORS: NONWOVEN MANUFACTURING; FABRIC INSPECTION; INSPECTION; ON LINE  
PROCESSING ; IMAGE ANALYSIS; IMAGE ANALYSER; DEFECT DETECTION;  
DEFECT SHAPE; EDUCATION; CUSTOMER SERVICE; REMOTE MONITORING**

**21/3,K/11 (Item 6 from file: 95)**

DIALOG(R)File 95:TEME-Technology & Management  
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01547460 20010806922

**Fuzzy-basierende Ueberwachungssysteme fuer Punkt- und  
Buckelschweissanwendungen, Moeglichkeiten und praktische Anwendungen**

Straube, A; Winzen, B

Widerstandsschweissen: Neue Werkstoffe - Herausforderungen fuer das  
Widerstandsschweissen, Vortraege der Sondertagung, Duisburg, D, 17.-18.

Mai, 2001 DVS-Berichte, v213, n3, pp98-104, 2001

Document type: Conference paper Language: German

Record type: Abstract

ISBN: 3-87155-671-8

ISSN: 0418-9639

**DESCRIPTORS: SIGNAL PROCESSING; FUZZY CONTROL; FUZZY FUNCTION; RESISTANCE  
SPOT WELDING; PROJECTION WELDING; IMAGE RECOGNITION; DEFECT DETECTION;  
PROCESS MONITORING ; QUALITY MONITORING ; QUALITY ASSURANCE**

**21/3,K/12 (Item 7 from file: 95)**

DIALOG(R)File 95:TEME-Technology & Management  
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01542743 20010902415

**Roentgenpruefung in der Reifenindustrie. Fortschritte durch automatische  
Bildauswertung**

(Radiography in tire industry. Progresses by automated image evaluation)

Hippe-Wallwein, D; Kosanetzky, J-M; Pontefac, R; Neuhaus, T

YXLON International, Hamburg, D

Jahrestagung 2000 Zerstoerungsfreie Materialpruefung. ZfP im Uebergang zum  
3. Jahrhundert, Innsbruck, A, 29.-31. Mai 2000. Vol. 1. Deutsche  
Gesellschaft fuer Zerstoerungsfreie Pruefung e.V. (DGZfP)2000

Document type: Conference paper Language: German

Record type: Abstract

ISBN: 3-931381-32-3

**...DESCRIPTORS: NONDESTRUCTIVE TESTING; RADIOGRAPHY; PNEUMATIC TIRES;  
IMAGE EVALUATION; AUTOMATISATION; DEFECT DETECTION; MANUFACTURING  
PROCESS MONITORING**

**21/3,K/13 (Item 8 from file: 95)**

DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01539359 20010804448

**Dissimilarity of process data for statistical process monitoring**  
(Fehlererkennung anhand statistischer Prozessueberwachung und  
Mustererkennung der Signalverteilungen)

Kano, M; Nagao, K; Ohno, H; Hasebe, S; Hashimoto, I  
Kyoto Univ., J; Kobe Univ., J

Advanced Control of Chemical Processes 2000, a Proc. Volume from the IFAC  
Symp., Vol. 1, Pisa, I, 14-16 Jun, 20002000

Document type: Conference paper Language: English

Record type: Abstract

ISBN: 0-08-043558-0

DESCRIPTORS: **DEFECT DETECTION; IMAGE RECOGNITION; PROCESS MONITORING**  
; **STATISTICAL PROCESS CONTROL; DISTRIBUTION FUNCTION**

**21/3,K/14 (Item 9 from file: 95)**

DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01519979 20010508288

**AOI auch gegen krumme Beine. Automatische optische Inspektion erhoeht  
Fertigungsqualitaet**

(Automatic optical inspection improves manufacturing quality)

Garnick, R; Syed, I

Teradyne, Muenchen, D

EPP - Elektronik Produktion und Prueftechnik, v50, n4, pp84,86,88-89, 2001

Document type: journal article Language: German

Record type: Abstract

ISSN: 0172-6250

...DESCRIPTORS: **AUTOMATIC TEST SYSTEM; IMAGE ANALYSIS; FABRICATION  
DEFECTS ; MANUFACTURING PROCESS MONITORING ; OPTICAL TESTING; QUALITY  
IMPROVEMENT; QUALITY INSPECTION**

**21/3,K/15 (Item 10 from file: 95)**

DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01481242 20010200583

**Die Heinkelmaennchen machen Druck. Leistungsfahige Sensorik fuer die  
Druck- und Papierindustrie**

anonym

Leuze electronic, Bruettisellen, CH

Schweizer Maschinenmarkt, v56, n1/2, pp38-39,41, 2001

Document type: journal article Language: German

Record type: Abstract

ISSN: 0036-7397

DESCRIPTORS: **PRINTING INDUSTRY; PRINTING PLANTS; MEASURING FEELERS; PROCESS  
MONITORING ; QUALITY MONITORING; VIEWING SYSTEMS; DAMAGE PREVENTION;  
MONITORING SYSTEMS; SAFETY DEVICES; IMAGE PROCESSING ; OBJECT  
RECOGNITION; FEATURE RECOGNITION; AUTOMATISATION; PAPER INDUSTRY**

**21/3,K/16 (Item 11 from file: 95)**

DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01456992 20001007084

**Fault detection and feature analysis in interferometric fringe patterns by  
the application of wavelet filters in convolution processors**

Kruger, S; Wernicke, G; Osten, W; Kayser, D; Demoli, N; Gruber, H

Inst. fur Phys., Humboldt Univ., Berlin, D

'Machine Vision Applications in Industrial Inspection VIII, 24-26 Jan. 2000,  
San Jose, CA, USA  
Proceedings of the SPIE - The International Society for  
Optical Engineering, v3966, n8, pp145-153, 2000  
Document type: Conference paper Language: English  
Record type: Abstract  
ISSN: 0277-786X

...DESCRIPTORS: NONDESTRUCTIVE TESTING; OPTICAL CORRELATION; OPTICAL  
IMAGING; QUALITY **MONITORING** ; SPATIAL LIGHT MODULATORS; WAVELET TRANSFORMS  
; **DEFECT** DETECTION; **IMAGE** DATA; SPATIAL RESOLUTION; **DEFECT** ;  
CLASSIFICATION; REAL TIME METHOD; COMPUTERISED **PICTURE** PROCESSING

**21/3,K/17** (Item 12 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01443855 20000901177  
**Oberflaechen automatisch pruefen. On-line-Inspektion in der Produktion**  
(Automatic surface inspection during production)  
Burkhardt, S; Friedrich, V  
Parsytec, Aachen, D; Parsytec, Chemnitz, D  
MP Materialpruefung, v42, n7/8, pp280-285, 2000  
Document type: journal article Language: German  
Record type: Abstract  
ISSN: 0025-5300

...DESCRIPTORS: NONDESTRUCTIVE TESTING; OPTICAL TESTING; **IMAGE**  
**PROCESSING** ; SURFACE TESTING; ROLLED PRODUCTS; **DEFECT** DETECTION;  
MANUFACTURING PROCESS **MONITORING**

**21/3,K/18** (Item 13 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01394761 20000307414  
**Video-Bildunterstuetzung von Fertigungsvorschriften im Betrieb**  
Heger, J  
HegerGuss, Enkenbach-Alsenborn, D  
REFA-/VDG-Erfahrungsaustausch Giesserei 1999. Generalthema: Zurueck in die  
Zukunft. Bedeutung der Prozessgestaltung und Datenermittlung in den  
Giessereibetrieben von heute und morgen, Neuss, D, 16.-17. Apr, 1999  
Document type: Conference paper Language: German  
Record type: Abstract

...DESCRIPTORS: REGULATION; VIDEO TECHNIQUE; **IMAGE** REPRESENTATION; **IMAGE**  
**PROCESSING** ; **DAMAGE** PREVENTION; MANUFACTURING PROCESS **MONITORING** ;  
DATA BANK

**21/3,K/19** (Item 14 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01393532 20000106904  
**A neural network approach to characterize pattern parameters in process**  
**control charts**  
(Eine neuronale Netzwerk-Methode, um typische Muster auf der  
Prozessregelkarte zu erkennen)  
Guh, R-S; Tannock, JDT  
Univ. Nottingham, GB  
Journal of Intelligent Manufacturing, v10, n5, pp449-462, 1999  
Document type: journal article Language: English  
Record type: Abstract

DESCRIPTORS: IMAGE RECOGNITION; MANUFACTURING PROCESS MONITORING ; FABRICATION DEFECTS ; QUALITY INSPECTION; TEST METHOD; GRAPHIC PRESENTATION; STATISTICAL QUALITY CONTROL; CONTROL CHARTS

21/3,K/20 (Item 15 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01317819 E99060372284  
**Focal plane arrays home in on chip defects**  
anonym  
Opto and Laser Europe, v11, n63, pp44-45, 1999  
Document type: journal article Language: English  
Record type: Abstract  
ISSN: 0966-9809

DESCRIPTORS: THERMAL PROPERTIES; OPTICAL IMAGING; OPTICAL IMAGING CHARACTERISTICS; OPTICAL PROPERTIES; OPTICAL SYSTEMS; OPTICAL INSTRUMENTS; PHOTOGRAPHIC INSTRUMENTS; RESOLUTION; DEFECT DETECTION; TEMPERATURE MONITORING ; HEAT DISTRIBUTION

21/3,K/21 (Item 16 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01273619 N98060341700  
**Apple damage segmentation utilizing reflectance spectra of the defect**  
Throop, James A; Aneshansley, Daniel J  
Cornell Univ., Ithaca, USA  
ASAE Annual International Meeting. Part 1 (of 3), Aug 10-14 1997,  
Minneapolis, MN, USA1997  
Document type: Conference paper Language: English  
Record type: Abstract

DESCRIPTORS: FRUIT; QUALITY MONITORING ; REFLECTION SPECTRUM; DEFECT DETECTION; IMAGE PROCESSING

21/3,K/22 (Item 17 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01243036 W98106415404  
**Fast image processing on die castings**  
(Schnelle Bildverarbeitung beim Spritzguss)  
Wenzel, T; Hanke, R  
Fraunhofer Inst. for Interated Circuits, Erlangen, D  
Anglo-German Conf. on NDT Imaging and Signal Processing, Harris Manchester Coll., Oxford, GB, 27-28 March 19981998  
Document type: Conference paper Language: English  
Record type: Abstract

DESCRIPTORS: RADIOSCOPIC; IMAGE PROCESSING ; MANUFACTURING PROCESS MONITORING ; DEFECT DETECTION; INJECTION MOULDED PART

21/3,K/23 (Item 18 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01198822 M98041970533

Druckbildüberwachung durch farbmetrischen Bildvergleich und Erkennung von Fremdkörpern und Flecken im Druckbild durch Bildanalyse  
Pertler, H  
FOGRA-Forschungsbericht, v30.016, n4, pp1-18, 1997  
Document type: Report Language: German  
Record type: Abstract  
ISSN: 0340-708X

DESCRIPTORS: COLOUR PRINTS ; PROCESS MONITORING ; OFFSET PRINTING;  
DEFECT DETECTION; DEFECT LOCALIZATION; ERROR ANALYSIS; IMAGE  
RECOGNITION; COMPUTERISED PICTURE PROCESSING ; AUTOMATIC IMAGE  
ANALYSIS

21/3,K/24 (Item 19 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01130817 T97086049124  
N-Image Scanner fuer Oberflaecheninspektion und Gewichtskontrolle an  
Papierfilzen  
Majic, M  
Majic Engineering, Urbach, D  
6. Intern. Symposium fuer die Papiermaschinenfilzindustrie, Flims, CH,  
10.-12. Jun. 1997  
Document type: Conference paper Language: German  
Record type: Abstract

DESCRIPTORS: MEASURING DEVICES; STRUCTURAL ANALYSIS; SURFACE; NONWOVEN  
FABRICS; IMAGE DATA PROCESSING; IMAGE ANALYSER; DEFECT DETECTION;  
FELT FOR PAPER MACHINES; MONITORING SYSTEMS; FEELER

21/3,K/25 (Item 20 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01125648 E97071587050  
Automatic classification of wafer defects: status and industry needs  
Shapiro, A  
Sematech, Austin, USA  
IEMT 96, 19th IEEE/CPMT Internat. Electronics Manufacturing Technol. Symp.,  
Proc., Austin, USA, Oct 14-16, 1996  
Document type: Conference paper Language: English  
Record type: Abstract  
ISBN: 0-7803-3642-9

DESCRIPTORS: SEMICONDUCTOR WAFER; CLASSIFICATION; DAMAGE ; DEFECT ;  
RELIABILITY; PROCESS MONITORING ; MICROSCOPIC IMAGE FORMATION;  
COMPUTER SOFTWARE; QUALITY INSPECTION

21/3,K/26 (Item 21 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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01074971 M97021167503  
Bahnbeobachtungssysteme - Theta-PCS integriert Farbmetrik und  
Protokollierung  
anonym  
Zeitungstechnik, v57, nNov, pp78-80, 1996  
Document type: journal article Language: German  
Record type: Abstract

...DESCRIPTORS: CHROMATICS; MANUFACTURING PROCESS MONITORING ; IMAGE

21/3,K/27 (Item 22 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

01057253 M96120142626  
**Moire-Muster zeigt Waermeverzerrungen. Ausschuss bei der Platinenproduktion kann vermieden werden. Messtechnik**  
(Moire pattern indicates thermal distortion. Rejects during the production of electronic boards can be avoided. Measurement technique)  
anonym  
Blick durch die Wirtschaft, v39, n228 25.11.96, pp12, 1996  
Document type: Short journal article Language: German  
Record type: Abstract  
ISSN: 0406-4224

DESCRIPTORS: ELECTRONIC CIRCUITS; ELECTRONIC COMPONENTS; QUALITY INSPECTION ; FABRICATION DEFECTS ; MANUFACTURING PROCESS MONITORING ; HEAT EFFECT; IMAGE RECOGNITION; PC...

21/3,K/28 (Item 23 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00927191 W95106281404  
**Correlating power transformer tank vibration characteristics to winding looseness**  
(Korrelation zwischen den Schwingungen von (elektrischen) Transformatorengehäusen und der Lockerheit von Wicklungen)  
Mechefske, CK  
Victoria Univ., Melbourne, AUS  
Insight, v37, n8, pp599-604, 1995  
Document type: journal article Language: English  
Record type: Abstract  
ISSN: 0007-1137

...DESCRIPTORS: NONDESTRUCTIVE TESTING; OSCILLATION ANALYSIS; PIEZOELECTRIC TRANSDUCERS; ELECTRICAL TRANSFORMERS; SIGNAL PROCESSING ; IMAGE RECOGNITION; EARLY DETECTION OF DEFECTS ; CORRELATION METHOD; CORRELATION ANALYSIS; OPERATING MONITORING

21/3,K/29 (Item 24 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00927155 W95106299404  
**Robuste Bildauswertung in der automatischen Roentgenserienprüfung von Gussteilen**  
(Robust image evaluation in automatic X-ray standard testing of castings)  
Hecker, H; Filbert, D  
TU Berlin, D  
Fortschrittl. ZfP. Ein Instrument fuer Oekonomie und Oekologie.  
Vortraege und Plakatberichte. Teil 1. DGZfP-Jahrestagung 1994, Timmendorfer Strand, D, 9.-11. Mai 1994. Deutsche Gesellschaft fuer Zerstoerungsfreie Pruefung e.V. (DGZfP) 1995  
Document type: Conference paper Language: German  
Record type: Abstract

...DESCRIPTORS: WORKPIECES; MANUFACTURING PROCESS MONITORING ; DEFECT DETECTION; IMAGE PROCESSING ; IMAGE ANALYSIS; DEFECT LOCALIZATION; COMPLEX SHAPE

21/3,K/30 (Item 25 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00894172 M95066569563  
**Facharbeitergerechter Einsatz von Multimedia-Komponenten in der Werkstatt**  
Bassler, T  
Fraunhofer Inst. fuer Arbeitswissenschaft und Organisation, Stuttgart, D  
FTK'94, Zukunftssicherung durch Innovation, 9. Stuttgarter  
Fertigungstechnisches Kolloquium, Univ. Stuttgart, 8.-9. Nov, 1994  
Document type: Conference paper Language: German  
Record type: Abstract  
ISBN: 3-540-58509-5

DESCRIPTORS: INFORMATION SYSTEMS; SKILLED WORKERS; DEFECT DETECTION;  
PROCESS MONITORING ; IMAGE PROCESSING ; NOISE...

21/3,K/31 (Item 26 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00852527 E94120774220  
**Prueft schnell und sicher. System zur integrierten Bildverarbeitung im**  
**Fertigungsablauf**  
(Fast and safe test. System for integrated picture processing in  
manufacturing process)  
Klinger, M  
Matsushita Automation Controls, Holzkirchen, D  
Elektrotechnik, Wuerzburg, v76, n12, pp32-33, 1994  
Document type: journal article Language: German  
Record type: Abstract  
ISSN: 0013-581X

DESCRIPTORS: IMAGE PROCESSING ; MANUFACTURING PROCESS MONITORING ;  
DEFECT DETECTION; TESTING; TEST DEVICES; GRAY LEVEL; IMAGE CONTRAST

21/3,K/32 (Item 27 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00800170 W94086156404  
**Automatische Fehlererkennung in der radioskopischen Schweißnahtprüfung**  
(Automatic flaw detection in radioscopic testing of welds)  
Pohle, R; Heindoerfer, F  
TU 'Otto von Guericke', Magdeburg, D  
Qualitätsicherung durch Werkstoffprüfung. Vorträge des 3. Kolloquiums,  
Zwickau, D, 23.-24. November 1993. Deutsche Gesellschaft für  
Zerstörungsfreie Prüfung e.V. (DGZfP)1994  
Document type: Conference paper Language: German  
Record type: Abstract

...DESCRIPTORS: NONDESTRUCTIVE TESTING; RADIOSCOPY; WELDING SEAMS; TUBES;  
MANUFACTURING PROCESS MONITORING ; IMAGE PROCESSING ; AUTOMATISATION;  
DEFECT DETECTION; DEFECT LOCALIZATION; TEST RELIABILITY

21/3,K/33 (Item 28 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00797453 M94060787503

Automatisches Druckfehler-Erkennungssystem. Vorbeugendes  
Makulatur-Management mit Bobst-Registron S-3400  
(Automatic print fault recognition system)  
anonym  
Der Polygraph, v47, n11, pp52-53, 1994  
Document type: journal article Language: German  
Record type: Abstract

DESCRIPTORS: DEFECT DETECTION; DEFECT LOCALIZATION; MANUFACTURING  
PROCESS MONITORING ; IMAGE ANALYSIS; PRINTING MACHINES

21/3,K/34 (Item 29 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00784358 E94064199026  
**Dual sensor technology for high-speed detection of 0.1 micron defects**  
(Duale Sensortechnologie fuer die Hochgeschwindigkeitserkennung von 0.1  
Mikron-grossen Fehlern)  
Alumot, D; Neuman, G; Sherman, R; Tirosh, E  
Orbot Instrument, Yavne, IL  
Integrated Circuit Metrology, Inspection, and Process Control VII, San  
Jose, USA, Mar 2-4, 1993  
Document type: Conference paper Language: English  
Record type: Abstract

DESCRIPTORS: SEMICONDUCTOR WAFER; INSPECTION; PROCESS MONITORING ;  
COMPUTERISED PICTURE PROCESSING ; DEFECT DETECTION; IMAGE SENSORS;  
IMAGE RECOGNITION; COMPUTING SPEED; RESOLUTION; ATS...

21/3,K/35 (Item 30 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00682589 E93057080202  
**Methode zum Nachweis des Zersetzungszustandes von Archivfilmen**  
Bramekamp, PM; Meier, R  
Fernseh- und Kinotechnik, v46, n09, pp580, 1992  
Document type: Short journal article Language: German  
Record type: Abstract  
ISSN: 1430-9947

DESCRIPTORS: PHOTOGRAPHIC FILMS; DECOMPOSITION; DESTRUCTION; DAMAGE ;  
OBSERVATION; MONITORING SYSTEMS; ARCHIVING

21/3,K/36 (Item 31 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00674044 M93040505641  
**Simple base inspection**  
(Einfache Bodeninspektion)  
Roerig, CS  
Electronic Automat., Hull, GB  
Glass, v70, n3, pp103, 1993  
Document type: Short journal article Language: English  
Record type: Abstract  
ISSN: 0017-0984

DESCRIPTORS: PROCESS MONITORING ; QUALITY INSPECTION; FABRICATION DEFECTS  
; APRON CONVEYORS; STROBOSCOPES; IMAGE ANALYSIS; IMAGE PROCESSING ;  
SHAPE; DATA STORAGE; COMPUTER SOFTWARE; FLOW RATE; PROCESS CONTROL; GLASS

DEFECT; GLASS CONTAINERS; CONTAINER BASE...

21/3,K/37 (Item 32 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00670380 E93053067089

**Generalized adaptive image analyzer**  
(Veralgemeinertt adaptive Bildanalyse)  
Weiskopf, FB; Chiu, HY; Greene, TW; Becker, JA; Arcella, FG  
Johns Hopkins Univ. Laurel, USA  
Thirteenth IEEE/CHMT International Electronics Manufacturing Technology  
Symposium, Baltimore, USA, September 28-30, 19921992  
Document type: Conference paper Language: English  
Record type: Abstract  
ISBN: 0-7803-0756-9

DESCRIPTORS: IMAGE ANALYSIS; IMAGE PROCESSING ; DEFECT DETECTION;  
CONDUCTOR TRACK ; ATS...

21/3,K/38 (Item 33 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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00612484 I92039472938

**A computer-vision based power plant monitoring system**  
(Ein Kraftwerkueberwachungssystem durch maschinelles Sehen)  
So, ATP; Chan, WL  
City Polytech. of Hong Kong, Hong Kong  
APSCOM-91. 1991 International Conference on Advances in Power System  
Control, Operation and Management, 5-8 Nov. 1991, Hong Kong1991  
Document type: Conference paper Language: English  
Record type: Abstract  
ISBN: 0-86341-246-7

DESCRIPTORS: IMAGE PROCESSING; OBSERVATION; POWER PLANT CONTROL CENTRES;  
PERFORMANCE RELIABILITY; ALARM SYSTEMS; PERTURBATIONS; ARTIFICIAL VISION;  
COMPUTERISED PICTURE PROCESSING ; COMPUTERISED MONITORING ; DEFECT

21/3,K/39 (Item 34 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
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00595774 W92086012404

**Automatische Bildverarbeitung fuer die Bewertung von Schweißnahtfehlern**  
(Automatic image processing for monitoring of weld defects )  
Eckelt, B; Grambow, P; Meyendorf, N; Pohle, R  
Bild und Ton, v44, n5/6, pp173-176, 1991  
Document type: journal article Language: German  
Record type: Abstract  
ISSN: 0006-2383

(Automatic image processing for monitoring of weld defects )

21/3,K/40 (Item 35 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2003 FIZ TECHNIK. All rts. reserv.

00519754 W92026112404

**Moeglichkeiten und Grenzen der automatischen Risserkennung bei der  
Magnetcupverpruefung**

• (Possibilities and limits of automatic crack detection in magnetic particle inspection)  
Deutsch, V  
Deutsch Wuppertal, D  
Vortraege des Seminars Oberflaechenrisspruefung. Stand der Technik und Entwicklungstendenzen, Stuttgart, D, 23.11.1990. Deutsche Gesellschaft fuer Zerstoerungsfreie Pruefung (DGZfP) 1990  
Document type: Conference paper Language: German  
Record type: Abstract

...DESCRIPTORS: AUTOMATIC TEST SYSTEM; IMAGE EVALUATION; MANUFACTURING PROCESS MONITORING ; DEFECT LOCALIZATION; IMAGE ANALYSIS; TEST RELIABILITY  
?

01439388

A method of providing photographic products and services  
 Verfahren zur Bereitstellung fotografischer Produkte und Dienste  
 Methode de fourniture de produits et de services photographiques

## PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York  
 14650, (US), (Applicant designated States: all)

## INVENTOR:

Fenton, David E., c/o Eastman Kodak Company, Patent Legal Staff, 343  
 State Street, Rochester, New York 14650-2201, (US)  
 Lam, Wai K., c/o Eastman Kodak Company, Patent Legal Staff, 343 State  
 Street, Rochester, New York 14650-2201, (US)  
 Mizelle, Steven L., c/o Eastman Kodak Company, Patent Legal Staff, 343  
 State Street, Rochester, New York 14650-2201, (US)

## LEGAL REPRESENTATIVE:

Haile, Helen Cynthia et al (60522), Kodak Limited Patent, W92-3A,  
 Headstone Drive, Harrow, Middlesex HA1 4TY, (GB)

PATENT (CC, No, Kind, Date): EP 1225475 A1 020724 (Basic)

APPLICATION (CC, No, Date): EP 2002075079 020109;

PRIORITY (CC, No, Date): US 766917 010122

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
 LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G03D-015/00

ABSTRACT WORD COUNT: 52

## NOTE:

Figure number on first page: 2

LANGUAGE (Publication, Procedural, Application): English; English; English

## FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200230	333
SPEC A	(English)	200230	1079
Total word count - document A			1412
Total word count - document B			0
Total word count - documents A + B			1412

...ABSTRACT photographic film product; returning the partially exposed photographic film product to a photofinisher; and providing **credit** to the customer for the **unexposed** portion of the **photographic** film product.

...SPECIFICATION exposed photographic film product to a photofinisher; and providing credit to the customer for the **unexposed** portion of the **photographic** film product.

The present invention has the advantage that the cost barrier to developing partial...

...such as birthdays 18 and vacations 20, each time giving the customer a credit for **unused frames** on the **rolls** of **film** 12', 12", 12'', etc. The **process** of giving **credits** for the **unused frames** of film constitutes the invention that has not been practical and is not practiced at...

...CLAIMS photographic film product to a photofinisher; and d) providing credit to the customer for the **unexposed** portion of the **photographic** film product.

2. The method claimed in claim 1, wherein the photographic film product is...

14/3, K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01341104

**Method of providing photofinishing credit**

**Verfahren zum Ausgeben einer Gutschrift beim Entwickeln von Fotos**

**Methode pour fournir un bonus pour le developpement de photos**

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York  
14650, (US), (Applicant designated States: all)

INVENTOR:

McIntyre, Dale F., c/o Eastman Kodak Company, Patent Legal Staff, 343  
State Street, Rochester, New York 14650-2201, (US)

LEGAL REPRESENTATIVE:

Haile, Helen Cynthia et al (60522), Kodak Limited Patent, W92-3A,  
Headstone Drive, Harrow, Middlesex HA1 4TY, (GB)

PATENT (CC, No, Kind, Date): EP 1146457 A2 011017 (Basic)  
EP 1146457 A3 020320

APPLICATION (CC, No, Date): EP 2001200933 010312;

PRIORITY (CC, No, Date): US 533212 000323

DESIGNATED STATES: CH; DE; FR; GB; IT; LI

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/60

ABSTRACT WORD COUNT: 93

NOTE:

Figure number on first page: 1 .

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200142	453
SPEC A	(English)	200142	3528
Total word count - document A			3981
Total word count - document B			0
Total word count - documents A + B			3981

...ABSTRACT A2

A management system and method of assigning **credit** for **unprintable images** provided by a customer. When **unprintable frames** are submitted for **processing**, such as scanning, printing or storage, the method allows the photofinisher to keep track of the number of image submitted for processing and assigns **credit** for to the customer's account for unprintable images. As an example of **redeeming** such **credit**, when the number of unprintable images equals a pre-set criterion, such as the number...

...SPECIFICATION method of assigning credit for unprintable or unused frames of film to a customer's **photofinishing** loyalty account. When **unexposed** or otherwise **unprintable frames** are submitted for **processing**, the method allows the photofinisher to keep track of the number of frames submitted but not printed and assigns **credit** for them to the account. As an example of **redeeming** such **credit**, when the number of unprinted frames equals a pre-set criterion, such as the number...

...roll, a free roll of film could be issued to the customer. Other forms of **credit** such as reduction of the photofinishing service charge may also be used.

In practice, the...forwarded to the customer are illustrated in their best possible form. Once the number of **unprintable frames** for the **roll of film** being **developed** is determined, the number of **unprintable frames** is credited to the customer's account at step 78. For example, this information is...

*Instat Case  
Ruy*

...images that result from a particular customer is kept track of at database 61. This **crediting** of the customer account is updated for each roll of film forwarded to the photofinishing...  
...film or coupon. At step 82, the token would be sent to the customer. The **credit** account at the photo service provider 54 for that customer is reset by removing the **credit** equivalent to the number of frames in the roll of film sent to the customer at step 84. This could result in the **credit** account returning to zero or near zero depending upon the number of **unprintable frames** in the customers most recently **processed** order. The completed order is sent to the customer which would preferably have the token...

...CLAIMS management system according to claim 3 wherein said predetermined criteria comprises crediting said customer for **unprintable images** on said **roll of photographic film**.

5. A **photoprocessing** management system according to claim 3 wherein the number of accrued unprintable images are compared...

**14/3, K/3 (Item 3 from file: 348)**

DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

01018575

IMAGE PROCESSOR AND RECORDING MEDIUM BEARING VOICE CODE IMAGE  
BILDVERARBEITUNGSAVLAGE UND AUFZEICHNUNGSMEDIUM MIT EINEM SPRACHKODIERTEN  
BILD  
UNITE DE TRAITEMENT D'IMAGE ET SUPPORT D'ENREGISTREMENT COMPORTANT UNE  
IMAGE A CODE VOCAL

PATENT ASSIGNEE:

Noritsu Koki Co., Ltd., (910851), 579-1 Umebara, Wakayama-shi,  
Wakayama-ken 640-8550, (JP), (applicant designated states:  
AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)  
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(JP), (applicant designated states:  
AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

NOZAKI, Iwao, Noritsu Koki Co., Ltd., 579-1, Umebara, Wakayama-shi,  
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IMADE, Shinichi, 717-4, Mokurenji, Iruma-shi, Saitama 358-0047, (JP)  
YOSHIOKA, Kenji, 23-7-403, Owadamachi 1-chome, Hachioji-shi, Tokyo  
192-0045, (JP)

LEGAL REPRESENTATIVE:

Blumenrohr, Dietrich Dipl.-Ing. (83622), Lemcke, Brommer & Partner  
Patentanwalte Bismarckstrasse 16, 76133 Karlsruhe, (DE)

PATENT (CC, No, Kind, Date): EP 928986 A1 990714 (Basic)  
WO 9900701 990107

APPLICATION (CC, No, Date): EP 98923138 980605; WO 98JP2494 980605

PRIORITY (CC, No, Date): JP 17441697 970630; JP 28482897 971017

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;  
MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G03B-031/00; G03B-027/52; G03C-011/00;  
H04N-005/76;

ABSTRACT WORD COUNT: 152

LANGUAGE (Publication, Procedural, Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9928	918
SPEC A	(English)	9928	9284
Total word count - document A			10202
Total word count - document B			0
Total word count - documents A + B			10202

...SPECIFICATION a) shows the back of a new year's greetings postcard with

an audio code **image** 7 disposed in a **blank** region not recording the **photograph** or characters. Fig. 12 (b) shows the back of a new year's greetings postcard...

...s greetings postcard with an audio code image 7 printed above the new year's **gift** number, visual images such as the photograph and characters being printed on the back. For...

**14/3,K/4 (Item 4 from file: 348)**

DIALOG(R)File 348:EUROPEAN PATENTS  
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00836434

**A method for processing plastic material webs**  
**Verfahren zum Behandeln von Kunststoffbahnen**  
**Procede de traitement de bandes en materiaux plastiques**

**PATENT ASSIGNEE:**

MELZER MASCHINENBAU GmbH, (1593470), Ruhrstrasse 51-55, D-58332 Schwelm,  
(DE), (Proprietor designated states: all)

**INVENTOR:**

Melzer, Rainer, Kaiserstr. 24, 58332 Schwelm, (DE)  
Melzer, Roland, Glatzer Weg 9, 58332 Schwelm, (DE)

**LEGAL REPRESENTATIVE:**

Sparing, Rolf Klaus et al (81602), Bonnekamp & Sparing  
Patentanwaltskanzlei European Patent & Trade Mark Law Firm Postfach 32  
10 20, 40425 Dusseldorf, (DE)

**PATENT (CC, No, Kind, Date):** EP 774338 A2 970521 (Basic)  
EP 774338 A3 971203  
EP 774338 B1 010613

**APPLICATION (CC, No, Date):** EP 96117843 961107;

**PRIORITY (CC, No, Date):** DE 19543139 951118

**DESIGNATED STATES: FR; GB; IT**

**INTERNATIONAL PATENT CLASS:** B29C-055/04; B29C-071/00; B65H-023/188;  
B42D-015/10

**ABSTRACT WORD COUNT:** 62

**NOTE:**

Figure number on first page: 1

**LANGUAGE (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	182
CLAIMS B	(English)	200124	204
CLAIMS B	(German)	200124	209
CLAIMS B	(French)	200124	249
SPEC A	(English)	EPAB97	1089
SPEC B	(English)	200124	1144
Total word count - document A			1271
Total word count - document B			1806
Total word count - documents A + B			3077

...SPECIFICATION to a method for processing plastic material webs, the webs being provided with card-shaped **images** separated by a **blank** grid. Upon completion of the **processing**, the individual **images** will punched from the web thereby producing **credit** cards, telephone cards, smart cards and the like. The remaining blank grid is discarded.

Processing...

**14/3,K/5 (Item 1 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT  
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00905327 \*\*Image available\*\*

APPARATUS AND METHOD FOR ENCRYPTING/DECRYPTING INFORMATION ON A  
PIXEL-BY-PIXEL BASIS AND ENCRYPTION/DECRYPTION SYSTEM USING THE SAME  
APPAREIL ET PROCEDE DE CHIFFREMENT/DECHIFFREMENT D'INFORMATIONS SUR UNE  
BASE PIXEL PAR PIXEL ET SYSTEME DE CHIFFREMENT/DECHIFFREMENT  
L'UTILISANT

Patent Applicant/Assignee:

CYBERBANK CO, 1306-6, Seocho 4-dong, Seocho-gu, Seoul 137-855, KR, KR  
(Residence), KR (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

CHO Young-Sun, #11-1201 Sunkyung Apt., 506, Daechi-dong, Gangnam-gu,  
Seoul 135-836, KR, KR (Residence), KR (Nationality), (Designated only  
for: US)

NAM Young-Sik, #120-401 Samik Apt., Park Town, Sunae-dong, Bundang-gu,  
Seongnam-si, Gyeonggi-do 463-020, KR, KR (Residence), KR (Nationality),  
(Designated only for: US)

LEE Woo-Jin, #1104-504 Jukong Apt., 652, Sanggye-dong, Nowon-gu, Seoul  
139-761, KR, KR (Residence), KR (Nationality), (Designated only for:  
US)

PARK Seok-Jin, #F-601, Sanho Apt., Wonhyoro 1-ga, Yongsan-gu, Seoul  
140-114, KR, KR (Residence), KR (Nationality), (Designated only for:  
US)

KANG Hee-Seok, 413-25, Suyu-dong, Gangbuk-gu, Seoul 142-070, KR, KR  
(Residence), KR (Nationality), (Designated only for: US)

Legal Representative:

SHINSUNG PATENT FIRM (agent), Haecheon Bldg., 741-40, Yeoksam 1-dong,  
Kangnam-ku, Seoul 135-924, KR,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200239411 A1 20020516 (WO 0239411)

Application: WO 2001KR1918 20011110 (PCT/WO KR0101918)

Priority Application: KR 200066708 20001110; KR 200134304 20010618

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD  
SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12076

Fulltext Availability:

Detailed Description

Detailed Description

... real time,

In addition, a correct recognition rate can be  
maximized even though the encrypted **image** information is  
partially **damaged**, using a multi-stage **image process**  
technique on the rest portion so as to perform a correction  
and a restoration, This...

...identification card, public official identification card,  
medical insurance card etc.); and paper money, bill,  
securities, **gift certificate** ,, membership card, and various  
certificates issued by government and municipal offices  
(certificate of a seal impression, register certified copy  
etc,), and a card ( **credit card** etc,), and a bankbook, etc.

It will be apparent to those skilled in the...

16/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01143765

Method of and apparatus for processing film

Verfahren und Vorrichtung zur Filmentwicklung

Methode et dispositif de developpement de film

PATENT ASSIGNEE:

FUJI PHOTO FILM CO., LTD., (202407), 210 Nakanuma Minami-ashigara-shi,  
Kanagawa-ken, 250-0193, (JP), (Applicant designated States: all)

INVENTOR:

Karaki, Hideyuki, c/o Fuji Photo Film Co., Ltd, 210 Nakanuma,  
Minamiashigara-shi, Kanagawa-ken 250-0193, (JP)  
Suzuki, Chiaki, c/o Fuji Photo Film Co., Ltd, 210 Nakanuma,  
Minamiashigara-shi, Kanagawa-ken 250-0193, (JP)  
Misumi, Yoshinobu, c/o Fuji Photo Film Co., Ltd, 26-30, Nishiazabu  
2-chome, Minato-ku, Tokyo 106-0031, (JP)  
Kambara, Takayuki, c/o Fuji Photo Film Co., Ltd, 210 Nakanuma,  
Minamiashigara-shi, Kanagawa-ken 250-0193, (JP)  
Sato, Susumu, c/o Fuji Photo Film Co., Ltd, 210 Nakanuma,  
Minamiashigara-shi, Kanagawa-ken 250-0193, (JP)  
Akiyoshi, Nobuyasu, c/o Fuji Photo Film Co., Ltd, 210 Nakanuma,  
Minamiashigara-shi, Kanagawa-ken 250-0193, (JP)  
Ogawa, Masazumi, c/o Fuji Photo Film Co., Ltd, 210 Nakanuma,  
Minamiashigara-shi, Kanagawa-ken 250-0193, (JP)

LEGAL REPRESENTATIVE:

Leale, Robin George (32911), Frank B. Dehn & Co., European Patent  
Attorneys, 179 Queen Victoria Street, London EC4V 4EL, (GB)

PATENT (CC, No, Kind, Date): EP 997771 A1 000503 (Basic)

APPLICATION (CC, No, Date): EP 99308467 991026;

PRIORITY (CC, No, Date): JP 98306072 981027; JP 9943474 990222

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G03B-017/26

ABSTRACT WORD COUNT: 96

NOTE:

Figure number on first page: 1

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200018	2114
SPEC A	(English)	200018	13939
Total word count - document A			16053
Total word count - document B			0
Total word count - documents A + B			16053

...CLAIMS steps of:

if the photographic photosensitive film (F) is determined to be defective, feeding a **defective** portion of the **photographic** photosensitive film (F), cutting off the **defective** portion of the **photographic** photosensitive **film** (F), and **automatically** discharging the defective portion which has been cut off.

5. A method of processing a...

16/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01082253

Method and system for associating exposed radiographic films with proper patient information  
Verfahren und System zur Verknupfung von belichteten Rontgenfilmen mit

dazugehorigen Patienteninformationen  
Methode et systeme pour associer des films exposes aux rayan x avec des  
informations propres aux patients  
PATENT ASSIGNEE:

Imation Corp., (2170823), P.O. Box 64898, St. Paul, Minnesota 55164-0898,  
(US), (Applicant designated States: all)

INVENTOR:

Diano, Francesco, Imation Ricerche S.p.A., 17016 Ferrania (Savona), (IT)  
Venturi, Giovanni, Imation Ricerche S.p.A., 17016 Ferrania (Savona), (IT)

LEGAL REPRESENTATIVE:

Parent, Yves et al (17684), KODAK INDUSTRIE, Departement Brevets, CRT -  
Zone Industrielle, 71102 Chalon-sur-Saone Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 952726 A1 991027 (Basic)

APPLICATION (CC, No, Date): EP 98107487 980424;

DESIGNATED STATES: DE; FR; GB; IT

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-001/21

ABSTRACT WORD COUNT: 163

NOTE:

Figure number on first page: 1

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9943	1162
SPEC A	(English)	9943	6720
Total word count - document A			7882
Total word count - document B			0
Total word count - documents A + B			7882

...SPECIFICATION Summary of the Invention

The present invention is directed to a method and system for  
automatically associating a radiographic film with one of a plurality  
of patients. In one embodiment, the present invention generates a...

...When a particular patient is to be examined, the patient's corresponding  
unique code is imaged on an unexposed radiographic film. The  
patient's image is captured on the radiographic film which is then  
developed to form at least one visible medical image on the radiographic  
film. The developed radiographic...

16/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01014956

A screen printing stencil

Siebdruckschablone

Stencil serigraphique

PATENT ASSIGNEE:

SERICOL LIMITED, (1498022), Pysons Road, Broadstairs, Kent CT10 2LE, (GB)  
, (applicant designated states:  
AT;BE;CH;CY;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Dickinson, Peter, 11 Knight's Avenue, Broadstairs, Kent CT10 1EL, (GB)  
Collins, Nicholas Robert, 10 Honeysuckle Road, Ramsgate, Kent CT11 8AB,  
(GB)

LEGAL REPRESENTATIVE:

Wright, Robert Gordon McRae et al (55363), Elkington & Fife, Prospect  
House, 8 Pembroke Road, Sevenoaks, Kent TN13 1XR, (GB)

PATENT (CC, No, Kind, Date): EP 909991 A1 990421 (Basic)

APPLICATION (CC, No, Date): EP 98119217 981012;

PRIORITY (CC, No, Date): GB 9721973 971017

DESIGNATED STATES: CH; DE; ES; FR; GB; IT; LI

INTERNATIONAL PATENT CLASS: G03F-007/038; G03F-007/12;  
ABSTRACT WORD COUNT: 67

LANGUAGE (Publication, Procedural, Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9916	301
SPEC A	(English)	9916	2338
Total word count - document A			2639
Total word count - document B			0
Total word count - documents A + B			2639

...SPECIFICATION the direct method, a photosensitive emulsion is coated on to a mesh and dried to **give** a continuous, even **film**. A stencil is then produced by imaging the coating directly with a laser, or photographically through a line or half tone positive, and then **developing** an **image** by removing **unexposed** areas of the film with water.

A further technique, the so-called 'capillary film' method...

**16/3,K/4 (Item 4 from file: 348)**

DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

01006445

**Method of and apparatus for processing photographic photosensitive film**  
**Verfahren und Gerat zur Behandlung fotografischen fotoempfindlichen Films**  
**Methode et appareil pour le traitement de film photographique photosensible**  
PATENT ASSIGNEE:

FUJI PHOTO FILM CO., LTD., (202407), 210 Nakanuma Minami-ashigara-shi, Kanagawa-ken, 250-0193, (JP), (applicant designated states: AT;BE;CH;CY;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Karaki, Hideyuki, Fuji Photo Film Co., Ltd, 210, Nakanuma, Minamiashigara-shi, Kanagawa-ken 250-0193, (JP)  
Suzuki, Chiaki, Fuji Photo Film Co., Ltd, 210, Nakanuma, Minamiashigara-shi, Kanagawa-ken 250-0193, (JP)  
Misumi, Yoshinobu, c/o Fuji Photo Film Co., Ltd, 210, Nakanuma, Minamiashigara-shi, Kanagawa-ken 250-0193, (JP)  
Kambara, Takayuki, c/o Fuji Photo Film Co., Ltd, 210, Nakanuma, Minamiashigara-shi, Kanagawa-ken 250-0193, (JP)  
Sato, Susumu, c/o Fuji Photo Film Co., Ltd, 210, Nakanuma, Minamiashigara-shi, Kanagawa-ken 250-0193, (JP)

LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721), Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 907099 A2 990407 (Basic)  
EP 907099 A3 990609

APPLICATION (CC, No, Date): EP 98118699 981002;

PRIORITY (CC, No, Date): JP 97270153 971002; JP 97272861 971006; JP 97298291 971030

DESIGNATED STATES: DE

INTERNATIONAL PATENT CLASS: G03B-017/26;

ABSTRACT WORD COUNT: 116

LANGUAGE (Publication, Procedural, Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9914	2803
SPEC A	(English)	9914	13343
Total word count - document A			16146
Total word count - document B			0
Total word count - documents A + B			16146

...SPECIFICATION sized films is automatically discharged. The operator can thus more quickly and easily discharge the **defective** length of the **photographic** photosensitive film manually than if it were automatically discharged. When another length of the photographic photosensitive **film** is subsequently **automatically** discharged, the **defective** **photographic** photosensitive film is reliably discarded. Accordingly, it is possible to produce and package high-quality...

16/3,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00985585

**Installation guide mechanism for paper roll and guide apparatus for paper magazine**

**Fuhrungsmechanismus fur Papierrolle und Fuhrungsgerat fur Papiermagazin**

**Mecanisme de guidage pour rouleau de papier et appareil de guidage pour magasin de papier**

PATENT ASSIGNEE:

NORITSU KOKI CO., LTD., (910850), 579-1 Umehara, Wakayama-shi, Wakayama, (JP), (Proprietor designated states: all)

INVENTOR:

Kinoshita, Yasunori, 251-1, Itahara, Izumiohtsu-shi, Osaka-fu, (JP)

LEGAL REPRESENTATIVE:

Muller-Bore & Partner Patentanwalte (100651), Grafinger Strasse 2, 81671 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 892304 A2 990120 (Basic)  
EP 892304 A3 990331  
EP 892304 B1 020227

APPLICATION (CC, No, Date): EP 98113189 980715;

PRIORITY (CC, No, Date): JP 97189821 970715; JP 97190097 970715

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G03B-027/58

ABSTRACT WORD COUNT: 247

NOTE:

Figure number on first page: 1

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199903	509
CLAIMS B	(English)	200209	273
CLAIMS B	(German)	200209	250
CLAIMS B	(French)	200209	310
SPEC A	(English)	199903	3907
SPEC B	(English)	200209	4135
Total word count - document A			4417
Total word count - document B			4968
Total word count - documents A + B			9385

...SPECIFICATION for fixing the paper roll on the roll shaft.

US 4,111,379 discloses a **cassette** for feeding **unexposed**

**photographic** **film** to an **automatic** printer. The cassette comprises a hub for receiving the film roll. The hub is supported...

16/3,K/6 (Item 6 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00923263

**Imaging element comprising an electrically-conductive layer containing acicular metal-containing particles and a transparent magnetic recording layer**

Bildaufzeichnungselemente mit einer elektrisch leitenden Schicht die  
nadelformige, Metall-enthaltenden Partikel enthalt und einer  
durchsichtigen, magnetischen A  
Elements formateurs d'image ayant une couche electroconductrice comprenant  
des particules, aciculaires contenant un metal et une couche  
d'enregistrement magnétique

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York  
14650, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Eichorst, Dennis John, Eastman Kodak Company, Patent Legal Staff, 343  
State Street, Rochester, New York 14650-2201, (US)  
Christian, Paul Albert, Eastman Kodak Company, Patent Legal Staff, 343  
State Street, Rochester, New York 14650-2201, (US)  
Leszyk, Gerald Martin, Eastman Kodak Company, Patent Legal Staff, 343  
State Street, Rochester, New York 14650-2201, (US)

LEGAL REPRESENTATIVE:

Parent, Yves et al (17681), KODAK INDUSTRIE Departement Brevets - CRT  
Zone Industrielle B.P. 21, 71102 Chalon-sur-Saone Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 841590 A1 980513 (Basic)

APPLICATION (CC, No, Date): EP 97203385 971031;

PRIORITY (CC, No, Date): US 747480 961112

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G03C-001/85

ABSTRACT WORD COUNT: 61

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9820	478
SPEC A	(English)	9820	12223
Total word count - document A			12701
Total word count - document B			0
Total word count - documents A + B			12701

...SPECIFICATION and spooling. Static charge can also be generated during  
the use of the finished photographic **film** product. In an **automatic**  
camera, because of the repeated motion of a photographic roll film in and  
out of...

...the film. The presence of dust not only can result in the introduction  
of physical **defects** and the degradation of the **image** quality of the  
**photographic** element but also can result in the introduction of noise  
and the degradation of magnetic...

16/3,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00886316

**A SCREEN PRINTING STENCIL**

**SIEBDRUCKSCHABLONE**

**STENCIL SERIGRAPHIQUE**

PATENT ASSIGNEE:

SERICOL LIMITED, (506451), Westwood Road, Broadstairs, Kent CT10 2PA,  
(GB), (Proprietor designated states: all)

INVENTOR:

DAVIDSON, Robert Stephen, 18 Enfield Cloisters, Fanshaw Street, London  
N16 LD9, (GB)

PALMER, Stuart John, Springbank, Harberton, Totnes, Devon TQ9 7SE, (GB)

PRATT, Julie E., 60 Beacon Road, Broadstairs, Kent CT10 3DG, (GB)

WILSON, Stephen Paul, 28 Halstead Close, Canterbury, Kent CT2 7UD, (GB)

LEGAL REPRESENTATIVE:

Wright, Robert Gordon McRae et al (55363), Elkington & Fife, Prospect  
House, 8 Pembroke Road, Sevenoaks, Kent TN13 1XR, (GB)

PATENT (CC, No, Kind, Date): EP 885408 A1 981223 (Basic)  
EP 885408 B1 011017  
WO 9733202 970912  
APPLICATION (CC, No, Date): EP 97905323 970304; WO 97GB586 970304  
PRIORITY (CC, No, Date): GB 9604578 960304  
DESIGNATED STATES: CH; DE; ES; FR; GB; LI  
INTERNATIONAL PATENT CLASS: G03F-007/12; G03F-007/038

NOTE:

No A-document published by EPO  
LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200142	427
CLAIMS B	(German)	200142	330
CLAIMS B	(French)	200142	436
SPEC B	(English)	200142	7338
Total word count - document A			0
Total word count - document B			8531
Total word count - documents A + B			8531

...SPECIFICATION the direct method, a photosensitive emulsion is coated on to a mesh and dried to give a continuous, even film. A stencil is then produced by imaging the coating directly with a laser, or photographically through a line or half tone positive, the image being developed by removing unexposed areas of the film with water.

A further technique, the so-called capillary film method...

16/3,K/8 (Item 8 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00841507  
Apparatus and method for loading and unloading a camera with a discrete film strip  
Gerat und Verfahren zum Laden und Entladen einer Kamera mit einen diskreten Filmstreifen  
Appareil et methode de chargement et de dechargement d'une bande discrete de film photographique dans un camera

PATENT ASSIGNEE:  
EASTMAN KODAK COMPANY, (201212), 343 State Street, Rochester, New York  
14650, (US), (applicant designated states: CH;DE;ES;FR;GB;IT;LI)  
INVENTOR:  
Zander, Dennis Roland, Eastman Kodak Company, 343 State Street,  
Rochester, New York 14650-2201, (US)  
Bergstresser, William Andrew, Eastman Kodak Company, 343 State Street,  
Rochester, New York 14650-2201, (US)  
Bush, Bradley S., Eastman Kodak Company, 343 State Street, Rochester, New  
York 14650-2201, (US)  
Hochreiter, Eric Peschan, Eastman Kodak Company, 343 State Street,  
Rochester, New York 14650-2201, (US)  
Robertson, Jeffrey Charles, Eastman Kodak Company, 343 State Street,  
Rochester, New York 14650-2201, (US)  
Teremy, Paul, Eastman Kodak Company, 343 State Street, Rochester, New  
York 14650-2201, (US)

LEGAL REPRESENTATIVE:  
Pohle, Reinhard, Dipl.-Phys. et al (66242), c/o KODAK AKTIENGESELLSCHAFT  
Patentabteilung Hedelfinger Str. 54-60, 70327 Stuttgart, (DE)

PATENT (CC, No, Kind, Date): EP 778491 A1 970611 (Basic)  
APPLICATION (CC, No, Date): EP 96203315 961125;  
PRIORITY (CC, No, Date): US 569634 951208; US 569543 951208; US 569054  
951208; US 569957 951208; US 569464 951208; US 569633 951208  
DESIGNATED STATES: CH; DE; ES; FR; GB; IT; LI  
INTERNATIONAL PATENT CLASS: G03B-019/04; G03B-017/02; G03B-017/26;  
ABSTRACT WORD COUNT: 774

LANGUAGE (Publication,Procedural,Application): English; English; English

...ABSTRACT 426) of a type including an external housing (428, 478) having a movable closure (484) giving access to a film guide track (566) within the camera, the guide track extending between an unexposed film chamber (562) and an exposed film chamber (564), the apparatus including a frame (12); a source (24) for unexposed photographic film positioned on the frame; a nest (74) for receiving the camera supported on the frame; a film loading device...  
...use with a camera including an external housing (428, 478) having a movable closure (484) giving access to the film guide track and the film having opposing longitudinal edges. This further embodiment may include a...

16/3,K/9 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00827571

Apparatus adapted to film cartridge  
Einer Filmpatrone angepasste Vorrichtung  
Dispositif adapte a une cartouche de film

PATENT ASSIGNEE:

CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku,  
Tokyo, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Tsunemiya, Takanobu, c/o Canon K.K., 30-2, Shimomaruko 3-chome, Ohta-ku,  
Tokyo, (JP)

LEGAL REPRESENTATIVE:

Pellmann, Hans-Bernd, Dipl.-Ing. et al (9227), Patentanwaltsburo  
Tiedtke-Buhling-Kinne & Partner Bavariaring 4, 80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 768564 A1 970416 (Basic)

APPLICATION (CC, No, Date): EP 96116422 961014;

PRIORITY (CC, No, Date): JP 95267053 951016

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G03B-007/24;

ABSTRACT WORD COUNT: 127

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	1406
SPEC A	(English)	EPAB97	3352
Total word count - document A			4758
Total word count - document B			0
Total word count - documents A + B			4758

...SPECIFICATION out from the camera, when the film cartridge is again loaded in the camera, the film is automatically transported up to an unused frame portion thereof so that the film can be used for photography from the unused frame portion thereof.

A film to be loaded in such a kind of camera has a...

16/3,K/10 (Item 10 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00748205

AUTOMATIC DEVELOPING MACHINE FOR PHOTOSENSITIVE MATERIALS AND PROCESSING  
AGENT SUPPLEMENTING APPARATUS  
AUTOMATISCHES ENTWICKLUNGSGERAT FUR LICHTEMPFINDLICHE MATERIALIEN UND EINE  
ENTWICKLERZUFUHRVORRICHTUNG

APPAREIL DE DEVELOPPEMENT AUTOMATIQUE POUR MATERIAUX PHOTOSENSIBLES ET  
DISPOSITIF D'ALIMENTATION EN AGENT DE TRAITEMENT

PATENT ASSIGNEE:

Noritsu Koki Co., Ltd., (910851), 579-1 Umehara, Wakayama-shi,  
Wakayama-ken 640-8550, (JP), (Proprietor designated states: all)

INVENTOR:

MASUDA, Shigeru, Noritsu Koki Co., Ltd. 579-1, Umehara Wakayama-shi,  
Wakayama 640, (JP)  
NAKANO, Tsukasa, Noritsu Koki Co., Ltd. 579-1, Umehara, Wakayama-shi  
Wakayama 640, (JP)  
KOJIMA, Masayuki, Noritsu Koki Co., Ltd. 579-1, Umehara, Wakayama-shi  
Wakayama 640, (JP)  
NAKANISHI, Masayuki, Noritsu Koki Co., Ltd. 579-1, Umehara, Wakayama-shi  
Wakayama 640, (JP)  
NAKANO, Toshihiko, Noritsu Koki Co., Ltd. 579-1, Umehara, Wakayama-shi  
Wakayama 640, (JP)  
HAKAMADA, Haruo, Konica Corporation 1, Sakura-machi, Hino-shi Tokyo 191,  
(JP)  
ISHII, Hideo, Konica Corporation 1, Sakura-machi, Hino-shi Tokyo 191,  
(JP)

LEGAL REPRESENTATIVE:

Hillier, Peter (47812), Reginald W. Barker & Co., Cliffords Inn Fetter  
Lane, London EC4A 1BY, (GB)

PATENT (CC, No, Kind, Date): EP 766135 A1 970402 (Basic)  
EP 766135 A1 971015  
EP 766135 B1 000510  
WO 9534844 951221

APPLICATION (CC, No, Date): EP 95921964 950612; WO 95JP1188 950612

PRIORITY (CC, No, Date): JP 94155191 940614; JP 94155192 940614

DESIGNATED STATES: CH; DE; FR; GB; IT; LI

INTERNATIONAL PATENT CLASS: G03D-003/06

ABSTRACT WORD COUNT: 65

NOTE:

Figure number on first page: 34

LANGUAGE (Publication, Procedural, Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200019	970
CLAIMS B	(German)	200019	927
CLAIMS B	(French)	200019	1124
SPEC B	(English)	200019	16470
Total word count - document A			0
Total word count - document B			19491
Total word count - documents A + B			19491

...SPECIFICATION solution cartridges 2 and easy maintenance.

The photo-printing machine A is situated between the **automatic**  
negative **film** developing machine D and the automatic paper developing  
machine B. The photo-printing machine A...

...portion thereof with a magazine containing portion 211 in which a  
magazine, containing a rolled **photographic** paper of an **unexposed**  
silver halide photosensitive material, is set. In the photo-printing  
machine A, original photographic images...

16/3,K/11 (Item 11 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00496888

**Photographic printer and method of operation**

**Fotografisches Kopiergerät und Betriebsverfahren**

**Imprimante photographique et méthode de fonctionnement**

PATENT ASSIGNEE:

GRETAG IMAGING AG, (1532080), Althardstrasse 70, CH-8105 Regensdorf, (CH)  
, (applicant designated states: CH;DE;FR;GB;IT;LI)

INVENTOR:

Haller, Heinrich, Hohenstrasse 16, CH-8247 Flurlingen, (CH)

LEGAL REPRESENTATIVE:

Kleewein, Walter, Dr. et al (25811), Patentabteilung CIBA-GEIGY AG  
Postfach, CH-4002 Basel, (CH)

PATENT (CC, No, Kind, Date): EP 543069 A1 930526 (Basic)  
EP 543069 B1 960731

APPLICATION (CC, No, Date): EP 91810903 911120;

PRIORITY (CC, No, Date): EP 91810903 911120

DESIGNATED STATES: CH; DE; FR; GB; IT; LI

INTERNATIONAL PATENT CLASS: G03B-027/46; G03B-027/58;

TRANSLATED ABSTRACT WORD COUNT: 297

ABSTRACT WORD COUNT: 218

LANGUAGE (Publication, Procedural, Application): German; German; German

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB96	1917
CLAIMS B	(German)	EPAB96	1385
CLAIMS B	(French)	EPAB96	2147
SPEC B	(German)	EPAB96	5324
Total word count - document A			0
Total word count - document B			10773
Total word count - documents A + B			10773

...CLAIMS strip (N), in which station the film strip (N) is exposed, master after master, onto **unexposed photographic** copy material, especially **unexposed photographic** paper (F), which is guided through the exposure station (2) along a paper path (P...)

...there is provided at the inlet side (3) of the film transport path (T) an **automatic film** feed device (13) for transferring the front end of the film of the supply spool...

16/3,K/12 (Item 12 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00473170

**A photographic film cassette**

**Kassette fur einen photographischen Film**

**Cassette a film photographique**

PATENT ASSIGNEE:

Fuji Photo Film Co., Ltd., (202402), 210 Nakanuma Minamiashigara-shi, Kanagawa-ken, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Takahashi, Koichi, c/o Fuji Photo Film Co., Ltd., No. 210 Nakanuma, Minami Ashigara-shi, Kanagawa-ken, (JP)

Kataoka, Hiroshi, c/o Fuji Photo Film Co., Ltd., No. 210 Nakanuma, Minami Ashigara-shi, Kanagawa-ken, (JP)

Ichikawa, Haruo, c/o Fuji Photo Film Co., Ltd., No. 210 Nakanuma, Minami Ashigara-shi, Kanagawa-ken, (JP)

Takatori, Tetsuya, c/o Fuji Photo Film Co., Ltd., No. 210 Nakanuma, Minami Ashigara-shi, Kanagawa-ken, (JP)

Naito, Toshiharu, c/o Fuji Photo Film Co., Ltd., No. 210 Nakanuma, Minami Ashigara-shi, Kanagawa-ken, (JP)

LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721), Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 485957 A1 920520 (Basic)  
EP 485957 B1 970402

APPLICATION (CC, No, Date): EP 91119280 911112;

PRIORITY (CC, No, Date): JP 90306533 901113; JP 9135732 910204

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G03B-017/30; G03B-007/24;

ABSTRACT WORD COUNT: 128

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB97	632
CLAIMS B	(German)	EPAB97	577
CLAIMS B	(French)	EPAB97	746
SPEC B	(English)	EPAB97	5136
Total word count - document A			0
Total word count - document B			7091
Total word count - documents A + B			7091

...SPECIFICATION the photographic film 6 of the conventional film cassette was drawn out by using an **automatic film** processor, the **film** trailer 5 and the anchoring construction of the spool 7 were subjected to a large force of impact which might cause a **damage** of the **photographic** film 6. It is, however, possible by use of the described cassette to take out the **photographic** film 6 without a film **damage** because the anchor is beforehand undone between the film trailer 5 and the spool 20

...

16/3, K/13 (Item 13 from file: 348)

DIALOG(R) File 348: EUROPEAN PATENTS

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00453744

MULTILAYER CIRCUIT BOARD HAVING MICROPOROUS LAYERS AND PROCESS FOR MAKING

SAME

MEHRSCHEIDLERPLATTE MIT MIKROPOROSEN SCHICHTEN UND VERFAHREN ZUR HERSTELLUNG

CARTE DE CIRCUITS MULTICOUCHES A COUCHES MICROPORÉUSES ET SON PROCEDE DE FABRICATION

PATENT ASSIGNEE:

THE FOXBORO COMPANY, (389922), Patent Department 187(B52-1J) 33 Commercial Street, Foxboro, MA 02035, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

GRANDMONT, Paul, E., 38 Circledale Drive, Cumberland, RI 02864, (US)  
LAKE, Harold, Five Carlton Road, Sharon, MA 02067, (US)  
ANDERSON, Richard, A., 116 George Street, North Attleboro, MA 02760, (US)

LEGAL REPRESENTATIVE:

Dempster, Benjamin John Naftel et al (62251), Withers & Rogers 4 Dyer's Buildings, Holborn, London EC1N 2JT, (GB)

PATENT (CC, No, Kind, Date): EP 451254 A1 911016 (Basic)  
EP 451254 A1 920923  
EP 451254 B1 951220  
WO 9106423 910516

APPLICATION (CC, No, Date): EP 90916869 901029; WO 90US6273 901029

PRIORITY (CC, No, Date): US 429139 891030

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H05K-003/46;

NOTE:

No A-document published by EPO

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB95	1403
CLAIMS B	(German)	EPAB95	1388
CLAIMS B	(French)	EPAB95	1900
SPEC B	(English)	EPAB95	4186

Total word count - document A	0
Total word count - document B	8877
Total word count - documents A + B	8877

...SPECIFICATION said dots being selected to create micropores having a predetermined diameter; applying a layer of **unexposed**, undeveloped **photographic** imaging film to the **photprocessable** material that is sensitive to a different spectrum of energy from the photprocessable material or is differentially sensitive to the same spectrum of energy; selectively exposing the **film** with an **automatic** photoplotter controlled by the digital representation to activate the film without affecting the underlying layer...

...CLAIMS selected to create micropores (16, 32, 42) having a predetermined diameter;

applying a layer of **unexposed**, undeveloped **photographic** imaging film to the **photprocessable** material that is sensitive to a different spectrum of energy from the photprocessable material or is differentially sensitive to the same spectrum of energy; selectively exposing the **film** with an **automatic** photoplotter controlled by the digital representation to activate the film without affecting the underlying layer...

16/3,K/14 (Item 14 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS  
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00429383

**Method and apparatus for producing admission tickets.**  
**Verfahren und Vorrichtung zur Herstellung von Eintrittskarten.**  
**Procede et dispositif de fabrication de tickets d'accès.**

PATENT ASSIGNEE:

N.V. Nederlandsche Apparatenfabriek NEDAP, (523240), Oude Winterswijkseweg 7, NL-7141 DE Groenlo, (NL), (applicant designated states: AT;CH;DE;FR;GB;IT;LI;NL)

INVENTOR:

Hijink, Hendrik Willem, Hogestraat 81A, NL-7122 BS Aalten, (NL)

LEGAL REPRESENTATIVE:

Smulders, Theodorus A.H.J., Ir. et al (21191), Vereenigde Oktrooibureaux Nieuwe Parklaan 97, NL-2587 BN 's-Gravenhage, (NL)

PATENT (CC, No, Kind, Date): EP 428233 A1 910522 (Basic)  
EP 428233 B1 930922

APPLICATION (CC, No, Date): EP 90203021 901114;

PRIORITY (CC, No, Date): NL 892818 891115

DESIGNATED STATES: AT; CH; DE; FR; GB; IT; LI; NL

INTERNATIONAL PATENT CLASS: G07B-015/00; B29C-067/18; B42D-015/02;

G07C-009/00; B29C-063/04;

ABSTRACT WORD COUNT: 190

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1047
CLAIMS B	(German)	EPBBF1	954
CLAIMS B	(French)	EPBBF1	1090
SPEC B	(English)	EPBBF1	3437
Total word count - document A			0
Total word count - document B			6528
Total word count - documents A + B			6528

...SPECIFICATION shaped, takes place in such a manner that fraudulent actions with the purpose of changing the **image** are virtually impossible without physical **damage**.

According to the invention, joining takes place by packaging the

responder card and the picture...

...preprogrammed unique code of the card. If the admission ticket is intended for use in an automatic settlement system whereby a value assigned to the admission ticket on issue, is reduced until...

16/3,K/15 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00916455 \*\*Image available\*\*

**ROLL DEFECT MANAGEMENT PROCESS**  
**PROCEDE DE GESTION DE DEFAUTS DE LAMINOIRES**

Patent Applicant/Assignee:

DOFASCO INC, 1330 Burlington Street East, Hamilton, Ontario L8N 3J5, CA,  
CA (Residence), CA (Nationality)

Inventor(s):

KERR Ted, 26 Brae Crest Drive, Stoney Creek, Ontario L8G 3A6, CA,  
HOWARD Ron, 69 Ludlow Crescent, Brantford, Ontario N3P 1X1, CA,  
HILL William, 175 Valley Road, Dundas, Ontario L9H 5E2, CA,  
WEBBER Ron, 50 Galley Road, Ancaster, Ontario L9G 4T1, CA,

Legal Representative:

SCHMIDT Ingrid E (agent), c/o Gowling Lafleur Henderson LLP, Suite  
560-120 King Street West, PO Box 1045, LCD1, Hamilton, Ontario L8N 3R4,  
CA,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200250523 A2 20020627 (WO 0250523)  
Application: WO 2001CA1795 20011214 (PCT/WO CA0101795)

Priority Application: US 2000741192 20001221

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU  
SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8763

Fulltext Availability:

Detailed Description

Detailed Description

... 21 Roll testing equipment  
1 5 22 Roll history data  
23 Mill history data  
24 **Roll defect management process**  
25 **Roll performance evaluation**  
26 Cooperative vendor technology development  
27 Mill stability improvements  
28 Procurement initiatives  
29...

...control system

35 Comparisons of Output Signals to Control Threshold  
36 Computerized numeric control  
38 **Automatic roll disposition**  
39 Supplier quality alert  
41 Output voltage signal  
42 Thermal cracks  
51 Internal crack...

16/3,K/16 (Item 2 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
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00392459

**A SCREEN PRINTING STENCIL  
STENCIL SERIGRAPHIQUE**

Patent Applicant/Assignee:

SERICOL LIMITED,  
DAVIDSON Robert Stephen,  
PALMER Stuart John,  
PRATT Julie E,  
WILSON Stephen Paul,

Inventor(s):

DAVIDSON Robert Stephen,  
PALMER Stuart John,  
PRATT Julie E,  
WILSON Stephen Paul,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9733202 A1 19970912  
Application: WO 97GB586 19970304 (PCT/WO GB9700586)

Priority Application: GB 964578 19960304

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN  
MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN YU GH  
KE LS MW SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB  
GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 8821

Fulltext Availability:

Detailed Description

Detailed Description  
... the direct method, a photosensitive emulsion is coated on to a mesh  
and dried to give a continuous, even film. A stencil is then produced  
by imaging the coating directly with a laser, or photographically through  
a line or half tone positive, the image being developed by removing  
unexposed areas of the film with water.

A further technique, the so-called capillary film method...

16/3,K/17 (Item 3 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT  
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00309069 \*\*Image available\*\*

**CASSETTE FOR USE IN AN ELECTRONIC RADIOGRAPHIC IMAGING SYSTEM  
CASSETTE DESTINEE A UN SYSTEME D'IMAGERIE RADIOGRAPHIQUE ELECTRONIQUE**

Patent Applicant/Assignee:

MINNESOTA MINING AND MANUFACTURING COMPANY,

Inventor(s):

KREPEL Kenneth J,  
HOFFMAN Joseph A,  
FERGUSON Anthony B,  
SEVERSON Daniel J,  
McLAUGHLIN Keith K,  
FEDERATION Walter S,  
WIRTH Walter M,  
NELSON Owen L,  
POTTS John E,  
STEFFEN James E,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9527221 A1 19951012  
Application: WO 95US3466 19950320 (PCT/WO US9503466)  
Priority Application: US 94220899 19940331  
Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU  
JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NL NO NZ PL PT RO RU SD  
SE SG SI SK TJ TT UA UG UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR  
IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG  
Publication Language: English  
Fulltext Word Count: 6518

Fulltext Availability:  
Detailed Description

Detailed Description  
... a system which minimizes the inconvenience of unloading the exposed film in the dark by **automatically** removing the exposed **film** and feeding it into the processor while reloading the **cassette** with an **unexposed** **film**. This **process**, however, still uses **photographic** **films** which require a light-controlled environment throughout the filmhandling cycle. In addition, photographic film can...

16/3,K/18 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00189079 \*\*Image available\*\*  
**MULTILAYER CIRCUIT BOARD HAVING MICROPOROUS LAYERS AND PROCESS FOR MAKING SAME**  
**CARTE DE CIRCUITS MULTICOUCHES A COUCHES MICROPORÉUSES ET SON PROCEDE DE FABRICATION**

Patent Applicant/Assignee:  
THE FOXBORO COMPANY,

Inventor(s):

GRANDMONT Paul E,  
LAKE Harold,  
ANDERSON Richard A,  
Patent and Priority Information (Country, Number, Date):

Patent: WO 9106423 A1 19910516  
Application: WO 90US6273 19901029 (PCT/WO US9006273)  
Priority Application: US 89139 19891030  
Designated States: AT BE CH DE DK ES FR GB GR IT JP KR LU NL SE  
Publication Language: English  
Fulltext Word Count: 6009

Fulltext Availability:  
Detailed Description  
Claims

Detailed Description  
... said dots being selected to create micropores having a predetermined diameter; applying a layer of **unexposed**, undeveloped **photographic** imaging film to the **photoprocessable** material that is sensitive to a different spectrum of energy from the photoprocessable material or is differentially sensitive to the same spectrum of energy; selectively exposing the **film** with an **automatic** photoplotter controlled by the digital representation to activate the film without affecting the underlying layer...

Claim

... said dots being selected to create micropores having a predetermined diameter;

applying a layer of **unexposed**, undeveloped  
**photographic** imaging film to said **photprocessable**  
material that is sensitive to a different spectrum of  
energy from said photprocessable material or is  
differentially sensitive to the same spectrum of energy;  
selectively exposing said **film** with an **automatic**  
photoplotter controlldd by said digital representation to  
activate said film without affecting the underlying layer...

16/3,K/19 (Item 5 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

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00147906

**METHOD OF PATTERNING RESIST FOR PRINTED WIRING BOARD**  
**PROCEDE D'APPLICATION D'UN MOTIF SUR PHOTORESERVE POUR CARTE DE CABLAGE**  
**IMPRIME**

Patent Applicant/Assignee:

THE FOXBORO COMPANY,

Inventor(s):

LAKE Harold,

GRANDMONT Paul E,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8804797 A1 19880630

Application: WO 86US2709 19861217 (PCT/WO US8602709)

Priority Application: WO 86US2709 19861217

Designated States: AT AU BE CH DE DK FI FR GB IT JP KP KR LU NL NO SE

Publication Language: English

Fulltext Word Count: 5370

Fulltext Availability:

Claims

Claim

... of photprocessable  
material sensitive to directed energy in a first spectrLun with a  
layer of **unexposed**, undeveloped **photographic** imaging film  
sensitive to directed energy in a second spectrum to form a  
composite,  
applying said composite with the film layer on top to a  
substrate,,  
selectively exposing said **film** layer with an **automatic**  
photoplotter emitting

18/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

01361667

**Apparatus, method and system for selective image processing**  
**Vorrichtung, Verfahren und System zur selektiven Bildverarbeitung**  
**Appareil, procédé et système pour le traitement selectif d'images**

PATENT ASSIGNEE:

Da Vinci Systems, Inc., (2380280), 5410 Northwest 33rd Avenue, Suite 100,  
Fort Lauderdale, Florida 33309, (US), (Applicant designated States:  
all)

INVENTOR:

Rai, Sanjay Devappa, 5200 Northwest 31st Avenue, 74, Fort Lauderdale, FL  
33309, (US)  
Barton, Nicholas, 777 Riverside Drive, 1536, Coral Springs, FL 33071, (US)  
Taylor, Troy, 3747 Providence Road, Boynton, FL 33462, (US)  
Gu, Xueming Henry, 112 West Bayridge Drive, Weston, FL 33326, (US)

LEGAL REPRESENTATIVE:

Solf, Alexander, Dr. (11182), Patentanwalte Dr. Solf & Zapf Candidplatz  
15, 81543 München, (DE)

PATENT (CC, No, Kind, Date): EP 1160727 A2 011205 (Basic)

APPLICATION (CC, No, Date): EP 2001118616 990331;

PRIORITY (CC, No, Date): US 80620 P 980403

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;

MC; NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 947956 (EP 99106637)

INTERNATIONAL PATENT CLASS: G06T-005/20

ABSTRACT WORD COUNT: 125

NOTE:

Figure number on first page: NONE

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200149	2164
SPEC A	(English)	200149	17222
Total word count - document A			19386
Total word count - document B			0
Total word count - documents A + B			19386

...SPECIFICATION monitor 40. In other words, the colorist may toggle the display shown on the video monitor 40 between the unprocessed input image and a processed image for the scene 110a to gauge the effect of the selected color correction.

As mentioned...

18/3,K/2 (Item 2 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01325614

**METHOD, DEVICE AND SYSTEM FOR BIOMETRIC IDENTIFICATION**  
**VERFAHREN, ANORDNUNG UND SYSTEM FÜR BIOMETRISCHE IDENTIFIKATION**  
**PROC D , DISPOSITIF ET SYST ME D'IDENTIFICATION BIOM TRIQUE**

PATENT ASSIGNEE:

TOO Mnogoprofilnoe Predpriyatiye, (2774110), "Elsys" ul. Ivana Chernykh, 4  
, St.Petersburg, 198092, (RU), (Applicant designated States: all)

INVENTOR:

MINKIN, Viktor Albertovich, Novoizmailovsky pr., 75-20, St.Petersburg,  
196247, (RU)  
GREKOVICH, Alexandr Anatolievich, ul. Parashutnaya, 2-1-292,  
St.Petersburg, 197349, (RU)

ROMANOVA, Ljudmila Pavlovna, pr. Shvernika, 30-21, St.Petersburg, 194021,  
(RU)  
TATAURSCHIKOV, Sergei Sergeevich, pr. Toreza, 39-1-244, St.Petersburg,  
194223, (RU)  
SHTAM, Alexandr Iliich, Lanskoe schosse, 3-25, St.Petersburg, 197343,  
(RU)  
ZONOV, Viktor Fedorovich, ul. Zelenaya, 1-55, pos. Bugry, Vsevolozhsky  
raion, Leningradskaya obl., 188660, (RU)

LEGAL REPRESENTATIVE:  
Viering, Jentschura & Partner (100646), Steinsdorfstrasse 6, 80538  
Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1251448 A1 021023 (Basic)  
WO 2001052174 010719

APPLICATION (CC, No, Date): EP 2000976467 001109; WO 2000RU446 001109

PRIORITY (CC, No, Date): RU 2000101180 000111  
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06K-005/00; G06K-019/00; G07F-007/10

ABSTRACT WORD COUNT: 239

NOTE:

Figure number on first page: NONE

LANGUAGE (Publication, Procedural, Application): English; English; Russian

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200243	3004
SPEC A	(English)	200243	8038
Total word count - document A			11042

Total word count - document B 0

Total word count - documents A + B 11042

...SPECIFICATION a fingerprint with constant line thickness reflecting only  
those image features, which are taken into account at identification.  
The image processing monitoring can be carried out, for example, by  
means of a display 16 being a part...

...application of an optical image in order to execute operation 114 for  
recording of the processed optical image at the biometric key blank  
, with obtaining of biometric key 20. As it has been mentioned, this  
record is made...

18/3,K/3 (Item 3 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

01076683  
Primary and secondary color manipulations using hue, saturation, luminance  
and area isolation  
Primär- und Sekundärfarbverarbeitung unter Verwendung von Farbe, Sättigung,  
Luminanz und Flächenisolierung  
Manipulation des couleurs primaires et secondaires a l'aide de la couleur,  
de la saturation, de la luminance et de l'isolation de surface

PATENT ASSIGNEE:  
Da Vinci Systems, Inc., (2380280), 5410 Northwest 33rd Avenue, Suite 100,  
Fort Lauderdale, Florida 33309, (US), (Proprietor designated states:  
all)

INVENTOR:  
Rai, Sanjay Devappa, 5200 Northwest 31st Avenue 74, Fort Lauderdale, FL  
33309, (US)  
Barton, Nicholas, 777 Riverside Drive, 1536, Coral Springs, FL 33071,  
(US)  
Taylor, Troy, 3747 Providence Road, Boynton, FL 33462, (US)  
Gu, Xueming Henry, 112 West Bayridge Drive, Weston, FL 33326, (US)

LEGAL REPRESENTATIVE:

Solf, Alexander, Dr. (11182), Patentanwalte Dr. Solf & Zapf Candidplatz  
15, 81543 Munchen, (DE)  
PATENT (CC, No, Kind, Date): EP 947956 A2 991006 (Basic)  
EP 947956 A3 991215  
EP 947956 B1 020213  
APPLICATION (CC, No, Date): EP 99106637 990331;  
PRIORITY (CC, No, Date): US 80620 P 980403  
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;  
MC; NL; PT; SE  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
RELATED DIVISIONAL NUMBER(S) - PN (AN):  
EP 1160727 (EP 2001118616)  
INTERNATIONAL PATENT CLASS: G06T-005/40  
ABSTRACT WORD COUNT: 210

NOTE:  
Figure number on first page: NONE

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199940	888
CLAIMS B	(English)	200207	1038
CLAIMS B	(German)	200207	936
CLAIMS B	(French)	200207	1261
SPEC A	(English)	199940	17220
SPEC B	(English)	200207	17285
Total word count - document A			18111
Total word count - document B			20520
Total word count - documents A + B			38631

...SPECIFICATION monitor 40. In other words, the colorist may toggle the display shown on the video monitor 40 between the unprocessed input image and a processed image for the scene 110a to gauge the effect of the selected color correction.

As mentioned...

...SPECIFICATION monitor 40. In other words, the colorist may toggle the display shown on the video monitor 40 between the unprocessed input image and a processed image for the scene 110a to gauge the effect of the selected color correction.

As mentioned...

18/3, K/4 (Item 4 from file: 348)  
DIALOG(R) File 348: EUROPEAN PATENTS  
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00975324

Pipeline decoding system  
Pipeline-System zur Dekodierung  
Systeme pipeline de decodage

PATENT ASSIGNEE:  
Discovision Associates, (260275), 2355 Main Street, Suite 200, Irvine, CA  
92614, (US), (Proprietor designated states: all)

INVENTOR:  
Wise, Adrian Philip, 10 Westbourne Cottages, Frenchay, Bristol BS16 1NA,  
(GB)  
Sotheran, Martin William, The Ridings, Wick Lane, Stinchcombe, Dursley,  
Gloucestershire GL11 6BD, (GB)  
Robbins, William Philip, 19 Springhill, Cam, Gloucestershire GL11 5PE,  
(GB)  
Finch, Helen Rosemary, Tyley, Coombe, Wotton-Under-Edge, Gloucestershire  
GL12 7ND, (GB)  
Boyd, Kevin James, 21 Lancashire Road, Bristol BS7 9DL, (GB)

LEGAL REPRESENTATIVE:

Vuillermoz, Bruno et al (72791), Cabinet Laurent & Charras B.P. 32 20,  
rue Louis Chirpaz, 69131 Ecully Cedex, (FR)  
PATENT (CC, No, Kind, Date): EP 884910 A1 981216 (Basic)  
EP 884910 B1 010509

APPLICATION (CC, No, Date): EP 98202132 950228;

PRIORITY (CC, No, Date): GB 9405914 940324

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IE; IT; LI; NL

RELATED PARENT NUMBER(S) - PN (AN):

EP 674443 (EP 95301301)

INTERNATIONAL PATENT CLASS: H04N-007/24; G06F-013/00; G06F-009/38

ABSTRACT WORD COUNT: 104

NOTE:

Figure number on first page: 76

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	199851	498
CLAIMS B	(English)	200119	330
CLAIMS B	(German)	200119	308
CLAIMS B	(French)	200119	382
SPEC A	(English)	199851	126705
SPEC B	(English)	200119	122739
Total word count - document A			127222
Total word count - document B			123759
Total word count - documents A + B			250981

...SPECIFICATION display rates will typically vary in accordance with the data that was encoded and the monitor on which the information is being displayed. Data arrival rates will generally vary according to... assumptions are made about the order in which bytes are written into multi-byte registers.

Unused bits in the memory map will return a 0 when read except for unused bits...

18/3,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00923478

Method and apparatus for evaluating defects  
Verfahren und Vorrichtung zur Auswertung von Fehlstellen  
Procede et dispositif d'evaluation de defauts

PATENT ASSIGNEE:

Hitachi, Ltd., (204141), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo

101-0062, (JP), (applicant designated states:

AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

SIEMENS AKTIENGESELLSCHAFT, (200520), Wittelsbacherplatz 2, 80333 Munchen

, (DE), (applicant designated states:

AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Yamamura, Hisae, 131-6, Horiguchi, Kanazawa-ku, Yokohama-shi, (JP)

Matsuyama, Yukio, 801-2, Takakuotsu, Nasu-gun, Tochigi-ken, (JP)

Honda, Toshifumi, 11-19, Maiharanishi-5-chome, Funabashi-shi, (JP)

Listl, Ludwig, Bert-Brecht-Allee 8, 81737 Munich, (DE)

LEGAL REPRESENTATIVE:

Calderbank, Thomas Roger et al (50122), MEWBURN ELLIS York House 23

Kingsway, London WC2B 6HP, (GB)

EP 841558 A2 980513 (Basic)

PATENT (CC, No, Kind, Date): EP 841558 A3 990512

EP 841558 A3 990512

APPLICATION (CC, No, Date): EP 97309047 971111;

PRIORITY (CC, No, Date): JP 96298713 961111

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G01N-021/88; G06T-007/00; G01R-031/309;

INTERNATIONAL PATENT CLASS: G01N-021/88; G06T-007/00; G01R-031/309;

ABSTRACT WORD COUNT: 162

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9820	1805
SPEC A	(English)	9820	8934
Total word count - document A			10739
Total word count - document B			0
Total word count - documents A + B			10739

...SPECIFICATION can be repetitively selected and executed by the image processor 4. Thus, while the operator **monitors** the erroneous judgement ratio, **defect** missing rate 63 and structural feature parameter frequency distribution 65 displayed on the display means...

...to the parameter designation 49 to repeat the simulation, thereby enabling the optimization of the **image processing** and **defect** judgement parameters. These parameters can be used in the aforementioned visual inspection apparatus.

As has...

18/3,K/6 (Item 6 from file: 348)  
DIALOG(R) File 348:EUROPEAN PATENTS  
European Patent Office. All rts. reserv.  
(c) 2003

00711605

Reconfigurable data processing stage  
Rekonfigurierbare Datenverarbeitungsstufe  
Etage d'operation de donnees reconfigurable

PATENT ASSIGNEE:

DISCOVISION ASSOCIATES, (260273), 2355 Main Street Suite 200, Irvine, CA  
92714, (US), (Proprietor designated states: all)

INVENTOR:  
Wise, Adrian Philip, 10 Westbourne Cottages, Frenchay, Bristol, BS16 1NA,

(GB)  
Sotheran, Martin William, The Ridings, Wick Lane, Stinchcombe, Dursley,

Gloucestershire, GL11 6BD, (GB)

Robbins, William Philip, 19 Springhill, Cam, Gloucestershire, GL11 5PE,

(GB)

LEGAL REPRESENTATIVE:

Vuillermoz, Bruno et al (72791), Cabinet Laurent & Charras B.P. 32 20,  
rue Louis Chirpaz, 69131 Ecully Cedex, (FR)

PATENT (CC, No, Kind, Date): EP 674446 A2 950927 (Basic)

EP 674446 A3 960814

EP 674446 B1 010801

EP 95301300 950228;

APPLICATION (CC, No, Date): EP 95301300 950228;

PRIORITY (CC, No, Date): GB 9405914 940324

DESIGNATED STATES: AT; BE; CH; DE; FR; GB; IE; IT; LI; NL

INTERNATIONAL PATENT CLASS: H04N-007/24; G06F-013/00; G06F-009/38

ABSTRACT WORD COUNT: 144

NOTE:

Figure number on first page: 10

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	2475
CLAIMS B	(English)	200131	1079
CLAIMS B	(German)	200131	1072
CLAIMS B	(French)	200131	1186
SPEC A	(English)	EPAB95	125236
SPEC B	(English)	200131	121335
Total word count - document A			127738

Search performed by Sylvia Keys January 30, 2003

Total word count - document B 124672  
Total word count - documents A + B 252410

...SPECIFICATION the token to be duplicated once (but no more times). When the circuitry is not **processing** a valid DATA Token then the NOT... allows the transmitted B frames to reference a previous frame (forward prediction) or a future **frame** (backward prediction). After transmitting all the B frames to be displayed between the I1 frame...

18/3,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00572807

**System and method for image recovery**  
**Vorrichtung und Verfahren zur Bildwiedergewinnung**  
**Système et procédé pour la récupération des images**

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,  
Armonk, N.Y. 10504, (US), (applicant designated states:  
AT;BE;CH;DE;ES;FR;GB;IT;LI;NL;SE)

INVENTOR:

Edgar, Albert Durr, 3912 Eton Lane, Austin, Texas 78727, (US)

LEGAL REPRESENTATIVE:

Burt, Roger James, Dr. (52152), IBM United Kingdom Limited Intellectual  
Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 569142 A1 931110 (Basic)

EP 569142 B1 981007

APPLICATION (CC, No, Date): EP 93302897 930414;

PRIORITY (CC, No, Date): US 878587 920505

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IT; LI; NL; SE

INTERNATIONAL PATENT CLASS: H04N-005/253; H04N-003/36; H04N-009/11;

ABSTRACT WORD COUNT: 161

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9841	827
CLAIMS B	(German)	9841	869
CLAIMS B	(French)	9841	910
SPEC B	(English)	9841	8537
Total word count - document A			0
Total word count - document B			11143
Total word count - documents A + B			11143

...SPECIFICATION for the effects of such detected film defects. Rather the system was implemented simply to **monitor** the prevalence of these **defects** in an automated **photographic** development process whereby, for example, the process could be automatically shut down if the defect...

18/3,K/8 (Item 8 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS  
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00558382

**METHOD FOR THE REPRODUCTION OF COLOR IMAGES BASED ON VIEWER ADAPTATION**  
**Methode zur Reproduktion von Farbbildern basiert auf Zuschaueradaption**  
**PROCEDE DE REPRODUCTION D'IMAGES EN COULEUR BASE SUR L'ADAPTATION VISUELLE**

PATENT ASSIGNEE:

EASTMAN KODAK COMPANY, (201214), 343 State Street, Rochester, New York  
14650-2201, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

STATT, David, John, 6 Amberly Circle, Rochester, NY 14624, (US)

LEGAL REPRESENTATIVE:

Buff, Michel et al (14411), Kodak-Pathe Departement des Brevets et  
Licences CRT Centre de Recherches et de Technologie Zone Industrielle,  
71102 Chalon sur Saone Cedex, (FR)  
PATENT (CC, No, Kind, Date): EP 532734 A1 930324 (Basic)  
EP 532734 B1 960710  
WO 9217982 921015  
EP 92909503 920331; WO 92US2573 920331

APPLICATION (CC, No, Date): US 678485 910401

PRIORITY (CC, No, Date): US 678485 910401

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04N-001/46;

NOTE:

No A-document published by EPO  
LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB96	972
CLAIMS B	(German)	EPAB96	862
CLAIMS B	(French)	EPAB96	1138
SPEC B	(English)	EPAB96	3859
Total word count - document A			0
Total word count - document B			6831
Total word count - documents A + B			6831

...SPECIFICATION as a keyboard or a mouse as the operator views the screen  
of a color monitor 18. Processed and unprocessed images,  
graphics information and text can be stored in a data store 16, such as  
a magnetic or optical storage device. The processed or unprocessed  
color digital images, as viewed on the color monitor 18, may then  
be reproduced as a hard copy...

18/3,K/9 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00545822

Defect detection

Feststellung von Fehlern

Detection de defauts

PATENT ASSIGNEE:

E.I. DU PONT DE NEMOURS AND COMPANY, (200582), Barley Plaza, Building 17,  
P.O. Box 80017, Wilmington, DE 19880-0017, (US), (Proprietor designated  
states: all)  
DALSA INC., (615881), 605 McMurray Road, Waterloo Ontario N2V 2E9, (CA),  
(Proprietor designated states: all)

INVENTOR:

Roberts, James W., 105 Winston Crescent, Guelph, Ontario N1E 2K1, (CA)  
Elias, John G., 179 Brandywine Boulevard, Wilmington, Delaware 19809,  
(US)  
Jullien, Graham A., 380 Old Tecumseh Road, Tecumseh, Ontario N8N 3S8,  
(CA)

LEGAL REPRESENTATIVE:

Driver, Virginia Rozanne et al (58902), Page White & Farrer 54 Doughty  
Street, London WC1N 2LS, (GB)

PATENT (CC, No, Kind, Date): EP 543629 A1 930526 (Basic)  
EP 543629 B1 020313

APPLICATION (CC, No, Date): EP 92310506 921118;

PRIORITY (CC, No, Date): US 794861 911119

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G01N-021/89; G06T-007/00

ABSTRACT WORD COUNT: 159

NOTE:

Figure number on first page: 2

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200211	1280
CLAIMS B	(German)	200211	1187
CLAIMS B	(French)	200211	1493
SPEC B	(English)	200211	8504
Total word count - document A			0
Total word count - document B			12464
Total word count - documents A + B			12464

...SPECIFICATION unit 42 contains a single processor (not shown) which receives the defect data and suitably **processes** the data to produce an **image** of a **defect** on the **monitor** 50. The processed **defect** data is passed by the unit 42 to memory common with the central computer 46...

18/3, K/10 (Item 10 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00526652

Method for displaying defect and apparatus therefor  
Verfahren zur Anzeige eines Defektes und Vorrichtung hierfür  
Procede pour l'indication d'une defaut et dispositif pour cela

PATENT ASSIGNEE:

FUTEC INCORPORATED, (658380), 1217, Hayashi-cho, Takamatsu-shi Kagawa-ken  
, (JP), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Hanafusa, Hideyuki, 6-6, Tori-machi, Takamatsu-shi, Kagawa-ken, (JP)  
Nishio, Masami, 2091-2, Takinomiya-Ryonan-cho, Ayauta-gun, Kagawa-ken,  
(JP)

LEGAL REPRESENTATIVE:

Lins, Edgar, Dipl.-Phys. Dr.jur. (7761), Patentanwalte Gramm + Lins  
Theodor-Heuss-Strasse 1, 38122 Braunschweig, (DE)

PATENT (CC, No, Kind, Date): EP 536570 A2 930414 (Basic)  
EP 536570 A3 931215  
EP 536570 B1 970423

APPLICATION (CC, No, Date): EP 92115870 920917;

PRIORITY (CC, No, Date): JP 91239808 910919

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G01N-021/89; G01N-021/86; H04N-007/18;

ABSTRACT WORD COUNT: 168

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1666
CLAIMS B	(English)	EPAB97	1652
CLAIMS B	(German)	EPAB97	1488
CLAIMS B	(French)	EPAB97	1885
SPEC A	(English)	EPABF1	7146
SPEC B	(English)	EPAB97	7222
Total word count - document A			8812
Total word count - document B			12247
Total word count - documents A + B			21059

...SPECIFICATION to both a defect detecting device for detecting a defect on the object and a **defect image processing** device for generating **image** data including data on the **defect** detected by the defect detecting device. On the basis of the defect detection by the defect detecting device, the image data containing the **defect** is displayed on a **monitor** as a still image. The **defect** in the still image is displayed at a vertically middle point (1/2 height position...the display buffer memory. The synthetic image is displayed on the monitor as a still **image**.

In this invention, the **defect image processing** device for generating **image** data including the **defect** detected by the **defect** detecting device receives the same signal as the input signal to...

...of the position and wavelength capable of emphasizing the **defect** are used for both the **defect** detecting device and **defect image processing** device. Thus, the resolution of the lighting devices is consistent with the resolution of the cameras. In addition, when the **defect** data is displayed on the **monitor**, the **defect** is displayed at the vertically middle point (1/2 height position) on the screen of...

...the cameras 3a to 3d are delivered to a **defect** detecting device 7 and a **defect image processing** device 8. An output terminal of the device 8 is connected to a **monitor** 9. The **defect** detecting device 7 **processes** the object **image** data to detect a **defect**, and outputs a **defect** detection signal when the image signal corresponding to the **defect** exceeds...

...SPECIFICATION to both a **defect** detecting device for detecting a **defect** on the object and a **defect image processing** device for generating **image** data including data on the **defect** detected by the **defect** detecting device. On the basis of the **defect** detection by the **defect** detecting device, the image data containing the **defect** is displayed on a **monitor** as a still **image**. The **defect** in the still **image** is displayed at a vertically middle point (1/2 height position)...the display buffer memory. The synthetic **image** is displayed on the **monitor** as a still **image**.

In this invention, the **defect image processing** device for generating **image** data including the **defect** detected by the **defect** detecting device receives the same signal as the input signal to...

...of the position and wavelength capable of emphasizing the **defect** are used for both the **defect** detecting device and **defect image processing** device. Thus, the resolution of the lighting devices is consistent with the resolution of the cameras. In addition, when the **defect** data is displayed on the **monitor**, the **defect** is displayed at the vertically middle point (1/2 height position) on the screen of...the cameras 3a to 3d are delivered to a **defect** detecting device 7 and a **defect image processing** device 8. An output terminal of the device 8 is connected to a **monitor** 9. The **defect** detecting device 7 **processes** the object **image** data to detect a **defect**, and outputs a **defect** detection signal when the image signal corresponding to the **defect** exceeds...

18/3,K/11 (Item 11 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2003 European Patent Office. All rts. reserv.

00365167

**Improved detector for radon.**

**Radondetektor.**

**Detecteur de radon.**

**PATENT ASSIGNEE:**

LANDAUER, INC., (942181), 2 Science Road, Glenwood Illinois 60425-1586,  
(US), (applicant designated states: CH;DE;FR;GB;LI)

**INVENTOR:**

Yoder, Robert Craig, 3567 Edward Drive, Crete Illinois 60147, (US)

**LEGAL REPRESENTATIVE:**

Carpenter, David et al (29151), MARKS & CLERK Alpha Tower Suffolk Street  
Queensway, Birmingham B1 1TT, (GB)

**PATENT (CC, No, Kind, Date):** EP 351939 A1 900124 (Basic)  
EP 351939 B1 921104

**APPLICATION (CC, No, Date):** EP 89304907 890516;

**PRIORITY (CC, No, Date):** US 211516 880624

DESIGNATED STATES: CH; DE; FR; GB; LI  
INTERNATIONAL PATENT CLASS: G01T-005/10;  
ABSTRACT WORD COUNT: 131

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPABF1	473
SPEC B	(English)	EPABF1	1494
Total word count - document A			0
Total word count - document B			1967
Total word count - documents A + B			1967

...SPECIFICATION the exposed portions of the film surfaces. Both of the irradiated detection surfaces of the **film** can be etched to develop the **damage tracks** while supported in the **frame**. Subsequently, the **damage tracks** from both of the irradiated surfaces can be simultaneously counted using preferred spark counting techniques...

18/3, K/12 (Item 12 from file: 348)

DIALOG(R) File 348: EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00351368

Inside surface inspection system and method therefor.

Anordnung und Verfahren zur Prufung der Innenseite einer Oberflache.

Systeme et procede pour l'inspection interne d'une surface.

PATENT ASSIGNEE:

BALL CORPORATION, (207570), 345 South High Street, Muncie Indiana 47302,  
(US), (applicant designated states:  
AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE)

INVENTOR:

Tucker, John Walter, 1446 Kennedy Avenue, Louisville Colorado 80027, (US)

LEGAL REPRESENTATIVE:

Kraus, Walter, Dr. et al (7061), Patentanwalte Kraus, Weisert & Partner  
Thomas-Wimmer-Ring 15, D-8000 Munchen 22, (DE)

PATENT (CC, No, Kind, Date): EP 362679 A2 900411 (Basic)  
EP 362679 A3 900822

APPLICATION (CC, No, Date): EP 89117820 890927;

PRIORITY (CC, No, Date): US 254952 881007

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; GR; IT; LI; LU; NL; SE

INTERNATIONAL PATENT CLASS: G01N-021/90; G01N-021/88;

ABSTRACT WORD COUNT: 90

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	510
SPEC A	(English)	EPABF1	4227
Total word count - document A			4737
Total word count - document B			0
Total word count - documents A + B			4737

...SPECIFICATION of the can. The camera captures an image of the moat and chime and the **processor** analyzes the **image** for the presence of any **defects**.

A second camera, processor, and **monitor** combination is located at a second position on the conveyor line for determining through the...

...image of the lower portion of the sidewall and of the dome and the second **processor** analyzes the captured **image** for the presence of any **defects**.

A third camera, processor, and **monitor** combination is located at a third location on the conveyor line for determining through the...

...the sidewall, the neck, and the flange of the can. The third camera captures an **image** and the third **processor** analyzes that **image** for the presence of any **defect**.

In the event the first, second and third processors detect the presence of any defects...

18/3,K/13 (Item 13 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00221376

Control device in image processing apparatus.

Steuerungseinrichtung im Bildverarbeitungsgerat.

Unite de commande dans un appareil de traitement d'image.

PATENT ASSIGNEE:

CANON KABUSHIKI KAISHA, (542361), 30-2, 3-chome, Shimomaruko, Ohta-ku, Tokyo, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

Yamakawa, Tadashi, 24-7-302, Shimosumiyoshi 5-chome Tsurumi-ku, Yokohama-shi Kanagawa-ken, (JP)  
Ogino, Yoshitaka, 404-1, Mukogaoka Miyamae-ku, Kawasaki-shi Kanagawa-ken, (JP)

, , ( )

LEGAL REPRESENTATIVE:

Beresford, Keith Denis Lewis et al (28273), BERESFORD & Co. 2-5 Warwick Court High Holborn, London WC1R 5DJ, (GB)

PATENT (CC, No, Kind, Date): EP 216484 A2 870401 (Basic)  
EP 216484 A3 880330  
EP 216484 B1 931118

APPLICATION (CC, No, Date): EP 86306165 860808;

PRIORITY (CC, No, Date): JP 85175302 850808; JP 85175303 850808; JP 85175304 850808; JP 85175305 850808; JP 85257546 851119; JP 85257547 851119

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G03G-015/00; G06F-015/66; G06F-015/46;

ABSTRACT WORD COUNT: 99

LANGUAGE (Publication, Procedural, Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	822
CLAIMS B	(German)	EPBBF1	429
CLAIMS B	(French)	EPBBF1	634
SPEC B	(English)	EPBBF1	20769
Total word count - document A			0
Total word count - document B			22654
Total word count - documents A + B			22654

...SPECIFICATION each sheet of recording paper to thereby simplify the making of the program and fine **control** and **monitoring** is possible for each sheet of recording paper.

(Fourth Embodiment)

In the present embodiment, the abovedescribed sequence control is...

...one-sheet copying process to thereby effect control. That is, a certain subprocessor is designed to effect **monitoring** of the feeding of copying paper, the original scanning, the **development**, the transfer, the fixation and the discharge of the copying paper. If such a control method is employed, the program may be written...

18/3,K/14 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00856048

**METHODS OF INSPECTING FLEXOGRAPHIC AND THE LIKE PRINTING PLATES  
PROCEDES D'INSPECTION DE CLICHES D'IMPRESSION FLEXOGRAPHIQUES ET ANALOGUE**

Patent Applicant/Assignee:

CENTURFAX LIMITED, 5 Bulwer Road, New Barnet, Hertfordshire EN5 5TE, GB,  
GB (Residence), GB (Nationality), (For all designated states except:  
US)

Patent Applicant/Inventor:

STEWART Gary Laurance, 9 Foscote Road, Hendon, London NW4 3SE, GB, GB  
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Legal Representative:

HOWDEN Christopher Andrew (agent), Forrester Ketley & Co., Forrester  
House, 52 Bounds Green Road, London N11 2EY, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200188613 A1 20011122 (WO 0188613)

Application: WO 2001GB2075 20010511 (PCT/WO GB0102075)

Priority Application: GB 200011702 20000515

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD  
SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 2162

Fulltext Availability:

Detailed Description

Detailed Description

... low" portions which will not.

However, it is necessary to make such a distinction in **order** to assess  
and **monitor**, for example, manufacture of such printing plates, (which,  
in the case of flexographic printing plates may be carried out using  
computer-controlled apparatus to erode selected areas of a **blank**,  
instead of using the **photographic** techniques which are more  
conventional). In particular, it may be necessary to assess the so...

18/3,K/15 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2003 WIPO/Univentio. All rts. reserv.

00804226

**18 HUMAN SECRETED PROTEINS**

**18 PROTEINES SECRETEES HUMAINES**

Patent Applicant/Assignee:

HUMAN GENOME SCIENCES INC, 9410 Key West Avenue, Rockville, MD 20850, US,  
US (Residence), US (Nationality), (For all designated states except:  
US)

Patent Applicant/Inventor:

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(Residence), US (Nationality), (Designated only for: US)

KOMATSOULIS George A, 9518 Garwood Street, Silver Spring, MD 20901, US, US  
(Residence), US (Nationality), (Designated only for: US)

BAKER Kevin P, 14006 Indian Run Drive, Darnestown, MD 20878, US, US  
(Residence), US (Nationality), (Designated only for: US)

YOUNG Paul E, 122 Beckwith Street, Gaithersburg, MD 20878, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

HOOVER Kenley K (et al) (agent), c/o Human Genome Sciences, Inc., 9410

Key West Avenue, Rockville, MD 20850, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200136432 A2-A3 20010525 (WO 0136432)  
Application: WO 2000US31162 20001115 (PCT/WO US0031162)  
Priority Application: US 99166415 19991119; US 2000215136 20000630  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ  
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG  
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 165638

Fulltext Availability:  
Detailed Description

Detailed Description  
... to a diagnostic or therapeutic agent. The antibodies can be used  
diagnostically to, for example, monitor the development or  
progression of a tumor as part of a clinical testing procedure to, e.g...

18/3, K/16 (Item 3 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00774550 \*\*Image available\*\*  
USER INTERFACE FOR AUTOMATED OPTICAL INSPECTION SYSTEMS  
INTERFACE UTILISATEUR POUR SYSTEMES D'INSPECTION OPTIQUE AUTOMATISEE  
Patent Applicant/Assignee:  
INTELLIGENT REASONING SYSTEMS INC, Suite F-40, 7801 North Lamar Blvd.,  
Austin, TX 78752, US, US (Residence), US (Nationality)  
Inventor(s):  
ESKRIDGE Thomas C, 4105 Flagstaff Drive, Austin, TX 78759, US  
NEWBERRY Jeff E, 1414 Crete Lane, Pflugerville, TX 78660, US  
DEYONG Mark R, 17 Stillmeadow Cove, Round Rock, TX 78664, US  
DUNN Scott A, 2400 Rustic Oak Lane, Austin, TX 78748, US  
HUFFSTUTTER Wesley K, 1816 West 38th Street, Apt. B, Austin, TX 78731, US  
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LUMEYER Marc A, 1902 Ascot Lane, Cedar Park, TX 78613, US  
ELLISON Michael A, 509 Elmwood, Austin, TX 78705, US  
ZOCH John R, 5003 Pony Chase, Austin, TX 78727-6720, US

Legal Representative:  
SPRINKLE Steven R, Gray Cary Ware & Friedenrich LLP, Suite 1440, 100  
Congress Avenue, Austin, TX 78701, US

Patent and Priority Information (Country, Number, Date):  
Patent: WO 200108099 A1 20010201 (WO 0108099)  
Application: WO 2000US16818 20000619 (PCT/WO US0016818)  
Priority Application: US 99360854 19990724  
Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK  
DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK  
LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English  
Filing Language: English  
Fulltext Word Count: 9585

Fulltext Availability:

Detailed Description

Detailed Description

... shown) appears and asks the user to enter a name for the new class of **defect**.

Current **image** 70 is **processed** and entered into the knowledge-base as an example of the new class of **defects**, which can then be **tracked** on future inspections.

Using new part button 82, the user can add a previously unseen...

18/3,K/17 (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00543658 \*\*Image available\*\*  
INSPECTION SYSTEM FOR INSPECTING DISCRETE WIRING PATTERNS FORMED ON A  
CONTINUOUS SUBSTRATE SHEET OF A FLEXIBLE MATERIAL  
APPAREILLAGE PERMETTANT D'INSPECTER DES CONFIGURATIONS DISCRETES DE CABLAGE  
CREEES SUR UNE FEUILLE SUBSTRAT EN CONTINU EN MATIERE SOUPLE

Patent Applicant/Assignee:

MATSUSHITA ELECTRIC WORKS LTD,  
OKUCHI Tetsuya,  
ISHIGURO Hiroyuki,  
MORI Yoshio,  
KITAMURA Takeshi,

Inventor(s):

OKUCHI Tetsuya,  
ISHIGURO Hiroyuki,  
MORI Yoshio,  
KITAMURA Takeshi,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200007031 A1 20000210 (WO 0007031)

Application: WO 99JP4040 19990728 (PCT/WO JP9904040)

Priority Application: JP 98213307 19980728; JP 98213308 19980728; JP 9944050 19990223

Designated States: CN KR PL SG US AT BE CH CY DE DK ES FI FR GB GR IE IT LU

MC NL PT SE

Publication Language: English

Fulltext Word Count: 8174

Fulltext Availability:

Detailed Description

Detailed Description

... display 80 for re-inspection by human eyes of the wiring pattern determined to be **defective** by the **image processing** as explained with the previous embodiments. The system further includes a backup table 90 which...

...supporting desk when a personnel requires to apply a force to the wiring pattern being **monitored** by the display in **order** to, for example, mend a defective portion with a hand-tool. The basic structure of...

18/3,K/18 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00440678 \*\*Image available\*\*

DEFECT CHANNEL NULLING

ANNULATION DES DEFAUTS D'UN CANAL DEFECTUEUX

Patent Applicant/Assignee:  
APPLIED SCIENCE FICTION INC,

Inventor(s):

EDGAR Albert D,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9831142 A1 19980716

Application: WO 97US24136 19971230 (PCT/WO US9724136)

Priority Application: US 9735763 19970106; US 97999421 19971229

Designated States: AL AU BA BB BG BR CA CN CU CZ EE GE HU ID IL IS JP KP KR LC LK LR LT LV MG MK MN MX NO NZ PL RO SG SI SK SL TR TT UA UZ VN YU GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 10745

Fulltext Availability:

Detailed Description

Detailed Description

... detected film defects present on the film image. Instead, the system is implemented simply to **monitor** the prevalence of these **defects** in an automated **photographic** development process whereby the process can be automatically shut down if the defect rate exceeds...

18/3, K/19 (Item 6 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00271862 \*\*Image available\*\*

APPARATUS AND METHOD FOR INTERSTITIAL TREATMENT

APPAREIL ET PROCEDE POUR EFFECTUER DES TRAITEMENTS INTERSTITIELS

Patent Applicant/Assignee:

AMERICAN MEDICAL SYSTEMS INC,

Inventor(s):

MAKOWER Joshua,

BURTON John H,

COLLINSON Michael,

MCNICHOLAS Thomas A,

REDMOND Russell J,

TIHON Claude,

POLYAK Mark,

HAUSCHILD Sidney F,

RYKHUS Robert L,

PUGH Robert W Jr,

VIDAL Claude A,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9420037 A1 19940915

Application: WO 94US2338 19940302 (PCT/WO US9402338)

Priority Application: US 93510 19930303

Designated States: AU BR CA CZ DE FI JP KR NO SK AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 8190

Fulltext Availability:

Detailed Description

Detailed Description

... non-heat conductive material in order to prevent heat transfer to shaft portion 98, In **order** to **monitor** energy

delivery and temperature, temperature sensing devices 46 are located along laser fiber 22 and...

...cannula. Also, ultrasound may be used to measure temperature remotely by tissue characterization through signal **processing** of the ultrasound **image**, The amount of tissue **damage** can also be determined by sensing NADPH, a compound produced by cell death,  
Depending on...

18/3,K/20 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00220745  
**METHOD FOR THE REPRODUCTION OF COLOR IMAGES BASED ON VIEWER ADAPTATION**  
**PROCEDE DE REPRODUCTION D'IMAGES EN COULEUR BASE SUR L'ADAPTATION VISUELLE**  
Patent Applicant/Assignee:  
EASTMAN KODAK COMPANY,  
Inventor(s):  
STATT David John,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 9217982 A1 19921015  
Application: WO 92US2573 19920331 (PCT/WO US9202573)  
Priority Application: US 91485 19910401  
Designated States: AT BE CH DE DK ES FR GB GR IT JP LU MC NL SE  
Publication Language: English  
Fulltext Word Count: 5633

Fulltext Availability:

Detailed Description

Detailed Description  
... as a keyboard or a mouse as the operator views the screen of a color **monitor** 18, **Processed** and **unprocessed images**, graphics information and text can be stored in a data store 16, such as a magnetic or optical storage device, The **processed** or **unprocessed** color **digital images**, as viewed on the color monitor 18, may

21/3,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00789538

MOLECULES FOR DIAGNOSTICS AND THERAPEUTICS  
MOLECULES POUR LE DIAGNOSTIC ET LA THERAPEUTIQUE

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200121836 A2-A3 20010329 (WO 0121836)

Application: WO 2000US25643 20000919 (PCT/WO US0025643)

18/5/1

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.  
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00122149 DOCUMENT TYPE: Review

PRODUCT NAMES: Digital ICE (789933)

TITLE: New Image Correction Software Paired Up Front with Scanners

AUTHOR: Staff

SOURCE: Graphic Arts Monthly, v71 n11 p84(1) Nov 1999

ISSN: 1047-9325

HOMEPAGE: <http://www.gammag.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Applied Science Fiction's Digital ICE, which allows graphic artists to enhance the quality of the final photographic product sent to a printer, uses Image Correction and Enhancement (ICE) technology that first appeared in more high-priced consumer photographic print scanners. During image scanning, Digital ICE automatically removes from slides and negatives such defects as dust, scratches, dirt, fingerprints, fibers, and hair, but does not alter the details included in the underlying **image**. A fourth channel, called **Defect** (D), is added to a scanner's RGB abilities, which results in RGB+D. This D channel collects defect information, which is erased by algorithms within the software without altering the original image. The original image is then output in the conventional three-channel RGB format. When a scanner is Digital ICE-enabled, the process is unobtrusive and automatic, but some scanners allow operators to turn the process on and off. One user is Mark Sakett, principal and creative director of Sakett Design Associates, who got excellent results when scanning a scratched portrait. A staff member says 'The repair of this one image would have taken me half a day in Photoshop,' and billable time would have been about \$600. Two makers currently offer products that use Digital ICE: Nikon, with two film scanners, and **Eastman Kodak**, with two minilabs.

COMPANY NAME: Applied Science Fiction Inc (674893)

SPECIAL FEATURE: Output Samples

DESCRIPTORS: Graphic Arts; Graphics Tools; Image Processing; Photography; Printing & Graphic Arts; Scanners

REVISION DATE: 20000930

20/5/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2003 Info.Sources Inc. All rts. reserv.

00136442 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Windows XP (043281)

TITLE: XP's licensing rights and WRONGS

AUTHOR: Doering, David

SOURCE: eMedia, v14 n12 p58(1) Dec 2001

ISSN: 1525-4658

HOME PAGE: <http://www.onlineinc.com/imedia>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Microsoft's untenable licensing scheme for Windows XP is a perfect example of how to alienate users in the age of the Internet. People should be able to decide during installation if a package should be the default for a service, and should not have to take additional measures outside the program to make that choice. However, with Windows XP, Microsoft chooses what applications pop up, irrespective of the choices the user made during installation. In the case of photo software, the default is chosen by Microsoft, which also provides a complex process for changing the default. Its choice pops up although a user may have installed **Kodak**'s software. If users leave the default as Microsoft chose it, another alienation factor is not mentioned: automatic direction of orders for photo prints to companies chosen by Microsoft that pay a kickback to Microsoft for each print ordered through the software. After this Microsoft-chauvinistic approach was publicized, Microsoft reduced the number of steps needed to make the **Kodak** software the default photo application on XP, but Microsoft continues to direct photo orders to Microsoft-preferred vendors. Microsoft Office XP presents another insult to users, which is justified as an attempt to prevent software piracy. Microsoft uses the BIOS to serialize itself to a specific system, but if the BIOS is changed, it is possible the software will no longer operate on the machine. Microsoft needs to change its licensing model to one that **rewards** users and does not treat them as pirates, because the present system will cost Microsoft professional customers.

COMPANY NAME: Microsoft Corp (112127)

DESCRIPTORS: IBM PC & Compatibles; Operating Systems; Usability Testing; Windows

REVISION DATE: 20020530

20/5/2

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2003 Info.Sources Inc. All rts. reserv.

00132894 DOCUMENT TYPE: Review

PRODUCT NAMES: VSAMS (064726); ScanData WMS (064734); ScanData SmartPac (064742)

TITLE: A Supply Chain Gem: A diamond retailer (and e-tailer) used supply...

AUTHOR: Andrews, David L

SOURCE: ID Systems, v21 n6 p32(3) Jun 2001

ISSN: 0892-676X

HOME PAGE: <http://www.idsystems.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

Shane Company's use of products from ScanData Systems, including VSAMS, ScanData WMS, and ScanData SmartPac, is described. Shane is a diamond retailer and e-tailer that needed supply chain management (SCM) software 'to track, ship, and secure its precious product with 100 percent accuracy.' ScanData develops shipping, packing and warehouse management software. The needs of the jewelry industry had to be supported, including order fulfillment that support particular inventory assignments, error-free shipping, powerful security protection, mass inventory moves, and capacity to handle the volume of orders expected. Also required are built-in customer service features, including wrapping and **gift** card functionality, ship notification, and appraisal documentation. The production server runs Warehouse Management Suite Server, Pack Verification Suite Server, Shipping Automation & Manifesting Suite Server, and Communications Server. ScanData Application Software is linked for many functions in many areas, among them inventory, packing, order billing, receipt management and verification, put away product, and shipping administration. The host system sends ASN (advance ship notice) data to the ScanData WMS, and warehouse staff use **Fujitsu** pen tables or a workstation for receiving. A quality control check is done, and if the product is satisfactory, it is assigned instantly to an outbound order. If not acceptable, the stock is returned to the manufacturer. ScanData's SmartPac station can print invoices, official appraisal documentation, an **gift** card, and a U.S. Postal Service return label.

COMPANY NAME: ScanData Systems (710938)

SPECIAL FEATURE: Charts

DESCRIPTORS: AutoID; E-Commerce; Jewelers; Order Fulfillment; Retailers; Supply Chain Management; Warehouse Management

REVISION DATE: 20020630

**20/5/3**

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2003 Info.Sources Inc. All rts. reserv.

00128367 DOCUMENT TYPE: Review

PRODUCT NAMES: Webango Network (032891)

TITLE: **Squeezing the Most Out of Supply Chains**

AUTHOR: McGarr, Michael S

SOURCE: Electronic Commerce World, v10 n12 p44(4) Dec 2000

ISSN: 1092-0366

Homepage: <http://www.ecomworld.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

**Eastman** Chemical Company, a manufacturer of plastics, chemicals, and fibers, chose strategic sourcing tools from Webango to centralize its purchasing of safety equipment and other indirect materials. **Eastman** was obtaining indirect materials from four leading U.S. purchasing sites, but wanted to work with only one safety equipment supplier and to build a long-term partnership with would lower costs for both partners. **Eastman** set out to 'free people up to do more strategic things,' since too many staff were working only on manual sourcing tasks. This situation is not unusual, since Fortune 1000 companies can yield savings of between 10 percent and 30 percent of the price paid when purchasing on an ad hoc basis. The tools from Webango can choose the best suppliers for complex commodities and service, negotiate and manage contracts, and build long-term supply chain partnerships. **Eastman** reduced the time required to

analyze data and send requests for proposals from four months to six weeks by using Webango-based automated tools. **Eastman**'s strategic sourcing project incorporated five aspects of supply chain management (SCM) best practices: supplier identification; technology utilization; process enhancement; relationship management; and **rewards** and recognition. Among topics covered is GE's and Motorola's use of the Six Sigma quality initiative, which is a complete quality philosophy that relies extensively on use of statistical tools to measure and enhance process quality based on customer needs.

✓

COMPANY NAME: Webango Inc (693952)

SPECIAL FEATURE: Charts

DESCRIPTORS: Chemical Industry; E-Commerce; E-Purchasing; Manufacturing; Plastics; Supply Chain Management

REVISION DATE: 20010430

20/5/4

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

(c)2003 Info.Sources Inc. All rts. reserv.

00123974 DOCUMENT TYPE: Review

PRODUCT NAMES: eCredit.com (004693)

TITLE: Bills For The 21st Century

AUTHOR: Bachelord, Beth

SOURCE: Information Week, v784 p22(3) May 1, 2000

ISSN: 8750-6874

Homepage: <http://www.informationweek.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

eCredit.com is one of the emerging services that can quickly process **credit** authorizations over the Internet for buyers in e-marketplaces and other e-commerce ventures. The firm is planning to integrate VeriSign's authentication, payment, and validating services into its Global Financing Network, which links companies to financing vendors. Analysts say that online marketplaces will handle \$147 billion in transactions in the next year, but that only a few offer financial services on their sites, forcing buyers and sellers to go offline to handle **credit**, financing, and payment processing. eCredit.com's service will considerably reduce the time that this offline process requires, and its deal with VeriSign will let eCredit.com authenticate, businesses that need financial services, such as loans and leases. **Eastman** Chemical and Commerx are companies that have signed with eCredit.com, and UPS Capital and ChemConnect are sites planning to add payment services to their sites.

COMPANY NAME: eCredit.com Inc (677728)

SPECIAL FEATURE: Tables

DESCRIPTORS: B2B Marketplaces; **Credit** Analysis; **Credit** Cards; Digital Certificates; E-Commerce; EFT (Electronic Funds Transfer)

REVISION DATE: 20010430

20/5/5

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

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00123414 DOCUMENT TYPE: Review

PRODUCT NAMES: Kodak PhotoNet (725102); Seattle FilmWorks (772569); Ofoto (797855); Shutterfly (797863)

**TITLE:** The Complete Family Guide to Digital Photography  
**AUTHOR:** Greengard, Samuel  
**SOURCE:** FamilyPC, v7 n4 p70(7) Apr 2000  
**ISSN:** 1076-7754  
**Homepage:** <http://www.family.com>

**RECORD TYPE:** Review  
**REVIEW TYPE:** Product Comparison  
**GRADE:** Product Comparison, No Rating

**Kodak** PhotoNet, Ofoto, PhotoAccess.com, PhotoLoft, and Shutterfly are among compared digital photo sites. These are relatively new, Web-accessible, high-quality photo services that ease tasks required to organize, store, and share digital photos. Users can also order prints and personalized **gifts** online. The services are compared for uploading, file formats accepted, organizational and editing tools, sharing features, address book, and amount of online storage provided. Topics covered include uploading, sharing, online photo print services, digital storage, including CD-R and CD- RW, the Internet, scanning, and PhotoCDs. With digital photography, shutterbugs can add captions to pictures and alter photos for comic or other effect. Ofoto, Shutterfly, and PhotoLoft have very good organizational and edging tools, including such features as Ofoto's easy-to-use interface and PhotoLoft's zooming, panning, cropping, naming, and rotation. When digital images have been downloaded to a computer, the user can transfer them to the chosen Web service. If many images are to be uploaded, users may want a high-speed Internet connection. The **Fujifilm** .net, PhotoNet, Ofoto, and Seattle Filmworks sites have the best print quality, while Ofoto, PhotoLoft, SeattleFilmWorks, and Shutterfly have the best usability features.

**COMPANY NAME:** **Eastman Kodak** Co (044369); Seattle FilmWorks Inc (668745); Ofoto Inc (679593); Shutterfly.com (679607)

**SPECIAL FEATURE:** Buyers Guides Screen Layouts

**DESCRIPTORS:** Families; Graphics Tools; Photography; Recreation & Hobbies

**REVISION DATE:** 20000630

**20/5/6**

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00118365                   **DOCUMENT TYPE:** Review

**PRODUCT NAMES:** Oracle Financials (692018); ProcureWorks (726842)

**TITLE:** Boost Efficiency with Buy-Side E-Commerce

**AUTHOR:** Falla, Jane

**SOURCE:** e-Business Advisor Magazine, v17 n6 p12(4) Jun 1999

**ISSN:** 1098-8912

**Homepage:** <http://www.advisor.com>

**RECORD TYPE:** Review  
**REVIEW TYPE:** Product Analysis  
**GRADE:** Product Analysis, No Rating

RightWorks' ProcureWorks, and Oracle's Financials including General Ledger, Accounts Payable, and Purchasing, are highlighted in a discussion of the ways in which **Fujitsu** Computer Products of America (FCPA) and Miller SQA are enhancing efficiency of business operations with buy-side e-commerce. The strategy can assist companies in terminating non-competitive suppliers, negotiating volume **discounts**, funneling buyers to preferred vendors, and reducing the requirement for manual intervention. FCPA's electronic procurement supports more than 850 employees in multiple U.S. offices, and has resulted in a 2 to 4 percent savings using ProcureWorks, which was

chosen after an assessment of internal practices that might prevent expansion. Because one-quarter of a buyer's time was taken for administrative activities, rather than value-added ones, FCPA chose ProcureWorks to allow purchasing professionals to spend more time finding the best suppliers and negotiating good prices. ProcureWorks was chosen partly because it is fully scalable, and because no custom integration work was required to link to FCPA's Oracle enterprise resource planning (ERP) applications. ProcureWorks quickly resolved some big problems by clearing order requests through approvals and purchasing within 24 hours, and by providing tools that can analyze buying patterns more effectively and easily. Miller SQA uses automated supply chain management software to ensure a 4.5 day order turnaround time, from receipt of the order to shipment.

COMPANY NAME: Oracle Corp (010740); i2 Technologies Inc (539864)  
DESCRIPTORS: E-Commerce; Enterprise Resource Planning; Internet Marketing;  
Purchase Orders; Purchasing; Supply Chain Management  
REVISION DATE: 20011030

**20/5/7**

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2003 Info.Sources Inc. All rts. reserv.

00107997 DOCUMENT TYPE: Review

PRODUCT NAMES: Lotus Notes (550418); Domino Mail Server (699691);  
Microsoft Exchange (514811)

TITLE: Notes-Exchange race getting tighter

AUTHOR: McNamara, Paul

SOURCE: Network World, v15 n12 p7(1) Mar 22, 1998

ISSN: 0887-7661

HOMEPAGE: <http://www.nwfusion.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Lotus Development's Lotus Notes and Domino Mail Server, and Microsoft's Microsoft Exchange are part of a discussion of the competition between the two vendors in the messaging/groupware arena. Microsoft Exchange is gaining market share against Notes, with Notes' advantage falling from 5 to 1 to 2 to 1 in stalled base numbers. Microsoft recently allied with **Eastman** Software for the latter's introduction of document management, workflow, and imaging entries that run on Exchange. Such technologies have traditionally been Lotus's strength and Microsoft's weakness. **Eastman** 's Document Manager for Microsoft Exchange represents a real threat to Notes, says an analyst, and will ship in the third quarter of 1998. **Eastman** is headed by ex-Lotus executive Bob Weiler, but Lotus officials are not worried that Microsoft and **Eastman** can change the competitive gap between the two vendors. Lotus also announced an upgrade to its own shrink-wrapped document management software. A spokesperson reports that the Domino.doc 2.0 package puts Lotus on an even par with popular document managers. Lotus, an IBM subsidiary, also revealed promotions designed to lure its 14 million cc:Mail customers to its Notes, or to at least avoid switching to Microsoft Exchange. Lotus plans to **discount** Notes clients by approximately 30 percent and Domino Mail Server by 20 percent for cc:Mail customers.

COMPANY NAME: Lotus Development Corp (254975); Microsoft Corp (112127)  
SPECIAL FEATURE: Graphs  
DESCRIPTORS: Document Management; E-Mail; Exchange; Groupware; Network  
Software; Notes/Domino; Software Marketing  
REVISION DATE: 20000130

20/5/8

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00104149 DOCUMENT TYPE: Review

PRODUCT NAMES: Solaris 2.4 (334707); Netscape Communicator (528463);  
Illustra Server (529796); Text DataBlade 1.2 (529877)

TITLE: Eastman Software Learns to Share

AUTHOR: Mullich, Joe

SOURCE: PC Week, v14 n48 p37(2) Nov 17, 1997

ISSN: 0740-1604

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

**Eastman** Software's Knowledge Exchange is an extranet program designed to encourage its employees to make use of the company's online knowledge and share information with its partners. Knowledge Exchange is an expert database with questions and answers to technical issues about the company's software. Its software includes desktop imaging, hierarchical storage management, and enterprise work management products. Sales personnel report being very happy with the database when challenged by customers to answer questions after regular corporate hours. If the database cannot answer questions, staff can use the Knowledge Response Center, a two-person help desk that handles miscellaneous questions. The company also uses **incentive** programs to get its employees to post useful information on its extranet. In the beginning, employees were reluctant to share information with others, but soon learned to be less reticent about giving out information, even negative information, to partners. **Eastman** is putting out a beta version of the extranet for its clients to use. The system was built and is hosted by GTE Internetworking Services, using Illustra database tools running under Solaris 2.4. Two people at **Eastman** maintain the system.

COMPANY NAME: Sun Microsystems Inc (385557); Netscape Communications Corp (592625); Informix Software Inc (110451)

DESCRIPTORS: Customer Service; Extranets; Internet Marketing; Intranets; Photography; Software Marketing; Technical Support

REVISION DATE: 20011224

20/5/9

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00081551 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft Network (MSN) (526495)

TITLE: MSN Links Desktop and Online

AUTHOR: Heim, Judy

SOURCE: PC World, v13 n8 p124(1) Aug 1995

ISSN: 0737-8939

Homepage: <http://www.pcworld.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Beta tests of Windows 95's Microsoft Network prove the product to be easy to use with an intuitive interface and feature-rich with innovative design.

The network links users to many content providers, including American Greetings (for creating and sending greeting cards); C-SPAN; Court TV; **Eastman Kodak** Kodalux, a digital film bureau; hardware vendors; home shopping; magazines and newspapers; NBC; software vendors; Starwave sports features; high-speed cable-transmitted content; VISA **credit** card services; and the Women's Wire online communications service (directed toward women's issues). Graphics are photograph-quality for clarity, and file transmission and update are quite fast. However, problems with sluggish e-mail have been reported. Many users, experienced and novice, may have some problems separating MSN's features from Windows 95's features.

COMPANY NAME: Microsoft Corp (112127)  
SPECIAL FEATURE: Charts Screen Layouts  
DESCRIPTORS: BBS (Bulletin Board Systems); Conferencing; IBM PC & Compatibles; Windows  
REVISION DATE: 19990530

**20/5/10**

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00079782 DOCUMENT TYPE: Review

PRODUCT NAMES: **Kodak Imagelink** (570605)

TITLE: **Nothing beats a great imaging system--just ask L'Eggs**

AUTHOR: Brooks, Robette  
SOURCE: Wang in the News, v9 n6 p11(2) Jun 1995  
ISSN: 0896-2111  
HOMEPAGE: <http://www.pcnews.com/pci>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

The **Kodak** Imagelink Scanner 900 hardware/software system gives a hosiery manufacturer tools for document storage and retrieval. The system improves customer service with faster data retrieval for customer response and streamlines past-due bill collection faster and more efficiently than an older system. The company has 1,000 sales merchandisers delivering hose, a system that creates more than 50,000 proof-of-delivery (POD) documents. Instead of storing them on microfiche, as in the past (a time consuming process that often resulted in out-of-date information being used for bill-tracking), workers in the main office scan and index PODs in a fraction of the time required to microfiche. The system allows **credit** documents to be scanned by the same staff, a task formerly impossible because of time constraints. Past-due receivables are collected much more quickly with the Imagelink system, says the **credit** manager.

COMPANY NAME: **Eastman Kodak** Co (044369)

DESCRIPTORS: Apparel Industry; Distribution Management; Image Storage; Manufacturing; Scanners

REVISION DATE: 20000930

**20/5/11**

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2003 Info.Sources Inc. All rts. reserv.

00077664 DOCUMENT TYPE: Review

PRODUCT NAMES: **CompuServe** (493023)

TITLE: **Fujitsu Ltd. and CompuServe launch 'WorldsAway'**

AUTHOR: Staff  
SOURCE: Link-Up, v12 n3 p1(2) May/Jun 1995  
ISSN: 0734-988X  
HOMEPAGE: <http://www.infotoday.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

CompuServe extended online services subscribers from 150 countries can soon use the WorldsAway service to create an animated online community. They will communicate in real time using low-cost software, for which CompuServe users receive a **credit**. Users are invited to create online identities, or avatars, who may or may not reflect the user's true personality and tastes. Avatars can express emotion using facial expression and gestures, and can chat in real time using text in expression balloons. Avatars can indulge in functions such as decorating living space, scavenger hunts, or running a virtual business. WorldsAway, which provides advanced multimedia functions, does not rely on switched broadband architecture; rather it is based on distributed, object-oriented (OO), networked computing, and is scalable to support growing user numbers worldwide.

COMPANY NAME: CompuServe Interactive Services (016969)  
SPECIAL FEATURE: Screen Layouts  
DESCRIPTORS: BBS (Bulletin Board Systems); Conferencing; Content Providers  
; Multimedia  
REVISION DATE: 20021024

20/5/12

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00065308 DOCUMENT TYPE: Review

PRODUCT NAMES: Kodak PhotoCD Access Software (390046); Adobe Photoshop  
(213756)

TITLE: A Photo CD Odyssey  
AUTHOR: Sheilds, Tracy  
SOURCE: Publishing & Production Executive, v8 n3 p8(3) Apr 1994  
ISSN: 1048-3055  
HOMEPAGE: <http://www.ppe-online.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

**Kodak** PhotoCD Access Software saved a **gift** cataloger money during a conversion process that replaced watercolor and color pencil illustrations with four-color photos. A photographer used PhotoCD to store the photos after scanning. RGB scans were imported to Adobe PhotoShop from PhotoCD, and CMYK conversions were made. Low-resolution PICT preview files were processed in QuarkXPress for image placement. The savings resulted from replacing \$50 to \$60 drum scans with \$3 scans. The cataloger was impressed with the quality of the scans, which appear in a catalog that requires processing for photographs with color separation, retouching, silhouettes, drop shadows, films, and proofs.

COMPANY NAME: Eastman Kodak Co (044369); Adobe Systems Inc (394173)  
SPECIAL FEATURE: Charts Output Samples  
DESCRIPTORS: Catalogs; Color Separation; Graphics Tools; Page Composition;  
Photography; Photoshop; Publishing; QuarkXPress; Scanners  
REVISION DATE: 20010430

20/5/13

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00064359 DOCUMENT TYPE: Review

PRODUCT NAMES: Falcon (467359); ThinkWrite Discrete (510904)

TITLE: Neural Nets Snag Big Fish

AUTHOR: Johnson, R Colin

SOURCE: OEM Magazine, v2 n6 p83(1) Apr 1994

ISSN: 1071-8990

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

HNC's FALCON, an online **credit** -card fraud detection system, uses neural network technology to find aberrant patterns that signal lost or stolen **credit** card use and other fraudulent activities. The optical character recognition (OCR) product vendor, Caere, uses neural net design in its successful scanning products. But neural nets truly came of age when IBM recently announced the use of neural network technology in its ThinkWrite Discrete handwriting recognition software for the ThinkPad notebook computer. ThinkWrite uses a three-tiered, blended technology, one tier of which is a neural network, according to Tetsu **Fujisake**, manager of pen systems at the IBM TJ Watson Research Center. The neural net helps improve, by as much as 40 percent, recognition in accuracy for the standard template matching methods used in handwriting recognition.

COMPANY NAME: HNC Software Inc (500291); IBM Corp (351245)

DESCRIPTORS: Artificial Intelligence; **Credit** Analysis; Expert Systems; Neural Networks; OCR; Pattern Recognition; Pen Software; Security

REVISION DATE: 19970730

\* 21/5/1

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01678091 DOCUMENT TYPE: Product

**PRODUCT NAME: ITN FlightRez (678091)**

GetThere.com Inc (637891)  
4045 Campbell  
Menlo Park, CA 94025 United States  
TELEPHONE: (650) 752-1500

RECORD TYPE: Directory

CONTACT: Sales Department

ITN FlightRez (TM) is Internet Travel Network's turnkey reservation system designed for airline companies. Carriers such as United Airlines use ITN FlightRez to improve their sales, reduce their reservation costs, retain customers, and increase their presence on the World Wide Web. ITN FlightRez is easily customized to fit a particular airline's needs; ITN-based sites are often up and running in as little as two months. ITN FlightRez can be easily integrated with legacy reservation systems and customer loyalty systems. Customers can check the status of their frequent flyer or other **loyalty** program **accounts** online, even redeeming their travel rewards online. New customers can register online for the airline's loyalty program. ITN FlightRez enables airlines to offer special Web-only deals, which can be distributed to customers. ITN FlightRez lets carriers customize online customer care options, and they can also choose the partners (car rental companies, hotels, etc.) they wish to work with.

DESCRIPTORS: Internet Travel; Travel; Reservation Systems; Airlines; Recreation & Hobbies

HARDWARE: Hardware Independent

OPERATING SYSTEM: Open Systems

PROGRAM LANGUAGES: Not Available

TYPE OF PRODUCT: Mainframe; Mini; Micro; Workstation

POTENTIAL USERS: Travelers, Airlines

PRICE: Available upon request

REVISION DATE: 991103

**21/5/2**

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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01115151 DOCUMENT TYPE: Product

**PRODUCT NAME: Pay By Touch (115151)**

Indivos Corp (727008)  
155 Grand Ave #1050  
Oakland, CA 94612 United States  
TELEPHONE: (510) 903-1000

RECORD TYPE: Directory

CONTACT: Sales Department

Pay By Touch, offered by Indivos (R), is a biometric payment service that can be used by consumers and merchants. Pay By Touch automates authentication, authorization, and settlement processes. The system reduces

the risk of fraud. It provides consumers with a convenient method for purchasing goods. The system also eliminates the need to remember identification numbers or passwords. Pay By Touch supports transactions across the Web and bricks-and-mortar retail stores, as well as over wireless networks. For merchants, Pay By Touch speeds checkout processes and reduces transaction costs. It also integrates with legacy payment systems. The product can be linked to loyalty marketing programs. It reduces paper-based processing. Pay By Touch matches point-of-sale fingerprint or voice scans to stored records, quickly authenticating consumers. The system then provides merchants with consumers' account information and, referencing credit, checking, debit, or **loyalty account** data, quickly processes payments. Pay By Touch employs security features to protect consumers' financial data.

DESCRIPTORS: Biometrics; E-Commerce; Fraud Protection; Point of Sale; Retailers

HARDWARE: Hardware Independent

OPERATING SYSTEM: Open Systems

PROGRAM LANGUAGES: Not Available

TYPE OF PRODUCT: Micro

POTENTIAL USERS: Cross Industry

PRICE: Available upon request

REVISION DATE: 021025

**21/5/3**

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
(c)2003 Info.Sources Inc. All rts. reserv.

00141137 DOCUMENT TYPE: Review

PRODUCT NAMES: Supply Chain Management (833444)

TITLE: It All Began with Drayer: The world was transformed when Proctor...

AUTHOR: Koch, Christopher

SOURCE: CIO, v15 n20 p56(5) Aug 1, 2002

ISSN: 0894-9301

HOMEPAGE: <http://www.cio.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Procter & Gamble's Ralph Drayer examines the roots of business process and supply chain automation. Over 20 years ago, Procter & Gamble and Wal-Mart defined the process by coming up with the idea of continuous replenishment. Today, P&G's model is the industry standard. The early collaboration between P&G and Wal-Mart is now legendary. The business relationship started when Sam Walton suggested to Drayer that P&G automatically ship goods, and Wal-Mart automatically send a check once a month. The biggest benefits from this collaborative trading relationship went beyond logistics, to include sharing consumer information and shopper **loyalty card** data. Before Wal-Mart, P&G had started a similar pilot with K-Mart, but it was not a strategic project for the other retailer. The simple model overcame many inefficiencies in the supply chain that occurred because of high inventory and transportation costs, and the variability in shipments. At first, there was skepticism in the retail industry, and shipping centers had to be re-educated to embrace the just-in-time approach.

COMPANY NAME: Vendor Independent (999999)

DESCRIPTORS: Collaborative Commerce; Manufacturing; Retailers; Supply Chain Management; VMI (Vendor Managed Inventory)

REVISION DATE: 20021230

**21/5/4**

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00136593 DOCUMENT TYPE: Review

**PRODUCT NAMES: NuEdge CRM (085286); Onyx Customer Center (681563)**

**TITLE: Keep 'Em Happy:...retaining customers and building loyalty is more...**

AUTHOR: Sweat, Jeff

SOURCE: Information Week, v873 p55(4) Jan 28, 2002

ISSN: 8750-6874

Homepage: <http://www.informationweek.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Such companies as Bridgestone/Firestone, American Airlines, and the Seattle Mariners discuss how they work to improve customer satisfaction through the use of customer relationship management (CRM) software. Especially in today's recessionary economy, companies often turn for help to CRM systems that were installed initially to prepare for fast expansion. For instance, Bridgestone/Firestone used the NuEdge CRM system to ameliorate the effects of bad press and to deal with a resulting business slowdown. The CRM system allowed Bridgestone/Firestone to use its customer database to find out that customers were more loyal than expected. The information prompted a marketing policy change toward amore emphasis on direct marketing to existing customers, rather than broadcasting of mass-media messages. Bridgestone/Firestone uses NuEdge to allow marketers to analyze customer data collected at the point of sale, and the data are used to pinpoint customers who have not shopped in the tire company stores for between eight and 12 months. American Airlines' AA.com Web site employs E.piphany's CRM software to check customer preferences and flight histories, so the airline can send out targeted marketing messages. The Seattle Mariners use CRM tools from Onyx Software to create a better **loyalty card** system.

COMPANY NAME: NuEdge Systems LLC (711675); Onyx Software Corp (623644)

SPECIAL FEATURE: Graphs

DESCRIPTORS: CRM; Electronic Customer Service; Internet Marketing;

Marketing Information; Public Relations

REVISION DATE: 20020430

**21/5/5**

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00134741 DOCUMENT TYPE: Review

**PRODUCT NAMES: Smart Cards (836915)**

**TITLE: Smartcards: Still a Gamble?**

AUTHOR: Armstrong, Illena

SOURCE: SC Infosecurity News Magazine, v12 n10 p34(3) Oct 2001

ISSN: 1096-7974

Homepage: <http://www.infosecnews.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Companies such as American Express, Visa, Mastercard, and Target are promoting smart card technology. Banking and credit card agencies believe that smart **cards** will improve customer **loyalty**, streamlining purchasing processes and allowing companies to target services and discounts to consumers. Enterprise corporations will use the technology to simplify network authentication processes. Banking firms, corporations, and retailers all hope to use smart cards in making online transactions secure. As well, the health care industry believes smart card technology will allow it to meet the Healthcare Insurance Portability and Accountability (HIPAA) legislation's security requirements. Currently, smart cards are most popular in Europe and Asia. However, the market in the U.S. should increase by 2003. For now, U.S. companies are using the smart card technology to extend network security demands. In the future, smart cards' storage and encryption capabilities will allow users to access computers and networks; make purchases using e-purses; access banking features; and store health information in secure, but accessible, form. Before smart card technology finds that level of acceptance, however, banks and retailers must promote the technology's benefits to consumers.

COMPANY NAME: Vendor Independent (999999)  
DESCRIPTORS: Credit Cards; Retailers; Smart Cards  
REVISION DATE: 20020630

21/5/6

DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.  
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00131531 DOCUMENT TYPE: Review

PRODUCT NAMES: Microsoft SQL Server (259748); AIX (695947); Progress RDBMS (017713)

TITLE: Casinos Hit Jackpot With Customer Data: CRM leaders keep detailed...

AUTHOR: Nash, Kim S  
SOURCE: Computerworld, v35 n27 p16(2) Jul 2, 2001  
ISSN: 0010-4841  
HOMEPAGE: <http://www.computerworld.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Microsoft SQL Server and IBM RS/6000 UNIX computers are highlighted in a discussion of customer relationship management (CRM) from the point of view of businesses that keep records on 'loyal gamblers' who frequent casinos. For instance, Harrah's Entertainment states in its annual report, 'We know what our customers like...Tom likes NASCAR, Clint Holmes, thick steaks. Joyce and Ted like oceanfront views...Elvis slots...' Foxwood Resort Casino also parses a 200GB customer database, matches it against third- party demographic data; it knows if a patron has children and what the patron's annual income is. Data mining makes this possible and allows Foxwood, for example, to give special treatment to gamblers who spend over \$100 a day.

**Loyalty cards** start the process when a player swipes the card at a gaming table or slot machine. The digital process launches a network of databases through systems that capture the length of time the person play, how much the person wins and loses, and what the gambler's betting strategy is. The system can compare statistics from earlier visits and provide real-time clues to casino staff as to how to treat a particular customer, based on his or her worth to the company. Foxwood uses Javelin terminals linked to a 200GB Progress database running on an IBM RS/6000 UNIX system.

COMPANY NAME: Microsoft Corp (112127); IBM Corp (351245); Progress Co (436461)

15/5/1 (Item 1 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09274803

Coral Corp ties up with Svam Software  
INDIA: SVAM SOFTWARE AND CORAL IN STRATEGIC PACT  
Times of India (TSI) 24 Apr 2000 Online  
Language: ENGLISH

In a strategic deal, public listed, Svam Software, an **image processing** concern in India has entered a pact with NASDAQ listed Coral Corporation. For a stipulated time frame, Coral Corporation will be supplied with **image processing** linked 'cliparts' from Svam Software. Svam Software will be responsible in amassing **unused** but high value **images** from **photographers** in India which are from the professional and amateur **credibility**. Svam Software will then execute titling and **processing** work on the **images**. After the titling and **processing** work, the **images** will be collected by Coral to be included into its image database.

COMPANY: CORAL; SVAM SOFTWARE

PRODUCT: Document Image Management Systems (3573DM);  
EVENT: Company Formation (14);  
COUNTRY: India (9IND); United States (1USA);

i7/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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6823519 INSPEC Abstract Number: B2001-03-0170L-007, C2001-03-5260B-074

Title: **Detection of internal defect by fusion of range image and X-ray image-matching method between range image and X-ray film image using contrast indicator image**

Author(s): Aoki, K.; Suga, Y.; Suemori, R.

Journal: Journal of the Japan Society of Precision Engineering vol.66, no.2 p.292-7

Publisher: Japan Soc. Precision Eng,

Publication Date: Feb. 2000 Country of Publication: Japan

CODEN: JJPEAD ISSN: 0912-0289

SICI: 0912-0289(200002)66:2L.292:DIDF;1-D

Material Identity Number: J190-2001-002

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: In this study, construction of an automatic inspection system of X-ray film is tried. Films used in this study are acquired by X-ray inspection of welded joints. Because the X-ray radiographic testing method is useful in inspecting the inside of weld metal, it is often used in industry. However, the number of skilled inspectors for X-ray radiographic testing are gradually decreasing. Several methods to detect weld defects from **films automatically** have been investigated. But, an X-ray film involves noise, and **defect images** show very low contrast and various shape in spite of the same kinds of defect. Moreover, when unevenness on the surface of the bead is large, detection of an internal **defect image** is difficult with the previous technique which depends on only a two-dimensional film image. Therefore, in this study, the new **image processing** system was constructed. Shadows caused by the surface unevenness in the X-ray film are removed using the range image of the bead surface on this system. That is to say, first of all, the range image is matched to the X-ray image about resolution, intensity and location. Then, the transferred image is defined as the background image and subtracted from the X-ray **image**. In this **process**, the matching method between range **image** and X-ray **image** is important. In this study, the matching method using contrast indicator was constructed. (13 Refs)

Subfile: B C

Descriptors: image matching; inspection; nondestructive testing; radiography; sensor fusion; welding; X-ray imaging

Identifiers: internal defect detection; range image fusion; X-ray image fusion; image matching method; X-ray film image; contrast indicator image; X-ray radiographic testing method; welded joints; automatic inspection system; noise; defect images; surface unevenness; shadows removal; image resolution; image intensity; image location; nondestructive testing

Class Codes: B0170L (Inspection and quality control); B0170G (General fabrication techniques); B0590 (Materials testing); B7230G (Image sensors); B6135 (Optical, image and video signal processing); B6140 (Signal processing and detection); C5260B (Computer vision and image processing techniques); C5260A (Sensor fusion)

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19/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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7499372 INSPEC Abstract Number: A2003-04-8170J-001, B2003-02-0590-047,  
C2003-02-7400-013

**Title: Automated flaw detection in aluminum castings based on the tracking  
of potential defects in a radioscopic image sequence**

Author(s): Mery, D.; Filbert, D.

Author Affiliation: Dept. de Ingenieria Informatica, Univ. de Santiago de  
Chile, Chile

Journal: IEEE Transactions on Robotics and Automation vol.18, no.6  
p.890-901

Publisher: IEEE,

Publication Date: Dec. 2002 Country of Publication: USA

CODEN: IRAUEZ ISSN: 1042-296X

SICI: 1042-296X(200212)18:6L.890:AFDA;1-C

Material Identity Number: M938-2002-007

U.S. Copyright Clearance Center Code: 1042-296X/02\$17.00

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Practical (P); Theoretical (T); Experimental  
(X)

Abstract: Presents a method for inspecting aluminum castings automatically from a sequence of radioscopic images taken at different positions of the casting. The classic **image - processing** methods for flaw detection of aluminum castings use a bank of filters to generate an error-free reference image. This reference image is compared with the real radioscopic image, and flaws are detected at the pixels where the difference between them is considerable. However, the configuration of each filter depends strongly on the size and shape of the structure of the casting under inspection. A two-step technique is proposed to detect flaws automatically and that uses a single filter. First, the method identifies potential **defects** in each **image** of the sequence, and second, it matches and tracks them from image to image. The key idea of the paper is to consider as false alarms those potential **defects** which cannot be **tracked** in the sequence. The robustness and reliability of the method have been verified on both real data in which synthetic flaws have been added and real radioscopic image sequences recorded from cast aluminum wheels with known defects. Using this method, the real defects can be detected with high certainty. This approach achieves good discrimination from false alarms. (21 Refs)

Subfile: A B C

Descriptors: computer vision; flaw detection; image segmentation; image sequences; X-ray imaging

Identifiers: automated flaw detection; aluminum castings; potential defects tracking; radioscopic image sequence; automated inspection; two-step technique; false alarms; robustness; reliability; computer vision; image segmentation; X-ray testing

Class Codes: A8170J (Nondestructive testing: X-ray methods); B0590 (Materials testing); B6135 (Optical, image and video signal processing); C7400 (Engineering computing); C5260B (Computer vision and image processing techniques)

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DIALOG(R)File 2:INSPEC

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7334784 INSPEC Abstract Number: B2002-09-2210D-024, C2002-09-3350E-004

**Title: Real time statistical process control of the screen print process  
[soldering]**

Author(s): Beair, B.

Author Affiliation: Raytheon, McKinney, TX, USA

Conference Title: SMTA International. Proceedings of the Technical

Program p.513-16

Publisher: Surface Mount Technol. Assoc, Edina, MN, USA

Publication Date: 2001 Country of Publication: USA 878 pp.

Material Identity Number: XX-2001-01534

Conference Title: Proceedings of SMTA International

Conference Date: 30 Sept.-4 Oct. 2001 Conference Location: Rosemont, IL, USA

Medium: Also available on CD-ROM in PDF format

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The increased component density found on printed circuit boards (PCBs), coupled with faster assembly cycle time requirements and the increased cost of screen **print defects**, necessitate continuous **process monitoring** of manufacturing operations. Paste rheology, board warp, aperture size and many other assembly features drive the need for continuous monitoring of solder deposition volume. Current screen print equipment offers 2D and 3D paste inspection capability, but fails to archive the inspection data to permit continuous monitoring of solder volume. Access to historical data, trend analysis, and data set comparisons facilitates process monitoring. This paper provides an insight into continuous monitoring and the positive effects it can produce in the electronics market.

Subfile: B C

Descriptors: assembling; computerised monitoring; inspection; printed circuit manufacture; process monitoring; rheology; soldering; statistical process control

Identifiers: real time statistical process control; screen print process; component density; printed circuit boards; PCBs; assembly cycle time; screen print defect cost; continuous process monitoring; manufacturing operations; solder paste rheology; board warp; aperture size; solder deposition volume; screen print equipment; paste inspection capability; inspection data; historical data; trend analysis; data set comparisons; electronics market

Class Codes: B2210D (Printed circuit manufacture); B0170E (Production facilities and engineering); B0170L (Inspection and quality control); B0170S (Control equipment and processes in production engineering); B0170G (General fabrication techniques); C3350E (Control applications in the electronics industry); C3355F (Control applications in assembling); C7480 (Production engineering computing)

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19/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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6666242 INSPEC Abstract Number: A2000-18-4230-033, B2000-09-6135-186

Title: Shape, defect and position monitoring by optical image processing

Author(s): Tiziani, H.J.; Wagemann, E.U.; Haist, T.

Author Affiliation: Inst. fur Tech. Opt., Stuttgart Univ., Germany

Journal: Asian Journal of Physics vol.8, no.4 p.581-94

Publisher: Anita Publications,

Publication Date: Oct.-Dec. 1999 Country of Publication: India

CODEN: AJPHFU ISSN: 0971-3093

SICI: 0971-3093(199910/12)8:4L.581:SDPM;1-L

Material Identity Number: F301-2000-004

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: The need for shape, defects or position measurement is continuously growing. High frame rate and high flexibility are needed. Liquid crystal displays (LCD), both electrically or optically addressed, are able to display gray values and are a basis for a couple of new applications. They are applied as projection elements for object-adapted fringes for fast shape control. Electrically and optically addressed liquid

crystals enable a instantaneous adjustment of the projection brightness. In addition, a fringe projection based correlation method can be a powerful tool for position control. Optically addressed crystals enable new possibilities in analog real-time image processing. They are able to detect defects in periodic media and microstructures just by using polarization properties. This is of major interest in microelectronic manufacturing today and even more in the near future. In the paper we review some of our latest results dealing with applications of liquid crystal light modulators. (30 Refs)

Subfile: A B

Descriptors: electro-optical filters; electro-optical modulation; flaw detection; image processing; light polarisation; liquid crystal displays; moire fringes; optical correlation; optical information processing; periodic structures; position measurement; real-time systems; shape measurement; spatial filters; spatial light modulators

Identifiers: position monitoring; defect monitoring; shape monitoring; optical image processing; position measurement; defect measurement; shape measurement; frame rate; flexibility; liquid crystal displays; optically addressed liquid crystal displays; electrically addressed liquid crystal displays; gray values; projection elements; object-adapted fringes; fast shape control; optically addressed liquid crystals; electrical addressed liquid crystals; projection brightness; fringe projection based correlation method; position control; optically addressed crystals; analog real-time image processing; periodic media; microstructures; polarization properties; microelectronic manufacturing; review; liquid crystal light modulators

Class Codes: A4230V (Image processing and restoration); A0630C (Spatial variables measurement); A8170G (Nondestructive testing: optical methods); A4280K (Optical beam modulators); A4280B (Spatial filters, zone plates, and polarizers); A4280C (Spectral and other filters); B6135 (Optical, image and video signal processing); B7320C (Spatial variables measurement); B0590 (Materials testing); B4150D (Liquid crystal devices); B4190F (Optical coatings and filters); B7260F (Display equipment and systems)

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DIALOG(R)File 2:INSPEC

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5712904 INSPEC Abstract Number: A9722-8140N-005

Title: Characterization of low-cycle fatigue damage in Inconel 718 by laser light scanning

Author(s): Chou, K.J.C.; Earthman, J.C.

Author Affiliation: Dept. of Chem. & Biochem. & Mater. Sci., California Univ., Irvine, CA, USA

Journal: Journal of Materials Research vol.12, no.8 p.2048-56

Publisher: Mater. Res. Soc,

Publication Date: Aug. 1997 Country of Publication: USA

CODEN: JMREEE ISSN: 0884-2914

SICI: 0884-2914(199708)12:8L.2048:CCFD;1-U

Material Identity Number: I870-97009

U.S. Copyright Clearance Center Code: 0884-2914/97/\$2.50

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: A technique for in situ laser light scanning (LLS) was developed to monitor surface damage on nickel-base superalloy specimens under low-cycle fatigue conditions. This technique characterizes the surface state with a parameter called the defect frequency which minimizes memory requirements and data processing time since it does not involve image processing. As a result, the present technique is capable of scanning speeds that are substantially greater than those achieved with image processing methods. Cylindrical Inconel 718 specimens were tested using an automated servo-hydraulic machine at ambient temperature under fully reversed strain control conditions for constant strain amplitudes ranging from 0.3% to 1%. The fatigue damage was monitored by scanning a

laser beam along the gauge section of the specimens during periodic interruptions of the cyclic loading. Acetate replicas of the gauge section surface were also made on some of the specimens to characterize the **damage** using SEM and **image** analysis techniques. Comparisons of the results demonstrate the capabilities of the present light-scanning technique for characterizing fatigue damage on the surface of the Inconel 718 specimens. In particular, a rapid rise in the mean defect frequency is shown to correspond to an initial increase in microcrack density that saturates at approximately 20% of the fatigue life. This transient behavior is followed by a plateau in defect frequency which corresponds to crack propagation and interlinkage until failure occurs. The number of cycles to microcrack density saturation as indicated by the defect frequency is found to be linearly related to the number of cycles to failure. Accordingly, the present system provides a characterization of microcrack damage that may be used to predict the low-cycle fatigue life of Inconel 718 specimens long before failure occurs. (14 Refs)

Subfile: A

Descriptors: chromium alloys; fatigue; iron alloys; laser beam applications; light scattering; microcracks; molybdenum alloys; nickel alloys; scanning electron microscopy; superalloys

Identifiers: Inconel 718; low-cycle fatigue damage; laser light scanning; surface damage; nickel-base superalloy; defect frequency; scanning speed; data processing time; reversed strain control; constant strain amplitude; cyclic loading; SEM; image analysis; microcrack density; crack propagation

Class Codes: A8140N (Fatigue, embrittlement, and fracture); A6220M (Fatigue, brittleness, fracture, and cracks); A7835 (Brillouin and Rayleigh scattering (condensed matter))

Chemical Indexing:

Cr ss - Fe ss - Mo ss - Ni ss (Elements - 4)

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19/5/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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5515019 INSPEC Abstract Number: B9704-6320-013

**Title: Enhancement of SIR-C imagery with the addition of height data**

Author(s): Guarino, C.R.

Author Affiliation: Lockheed Martin, Gaithersburg, MD, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.2847 p.319-23

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1996 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1996)2847L.319:EIWA;1-P

Material Identity Number: C574-96300

U.S. Copyright Clearance Center Code: 0 8194 2235 5/96/\$6.00

Conference Title: Applications of Digital Image Processing XIX

Conference Sponsor: SPIE

Conference Date: 7-9 Aug. 1996 Conference Location: Denver, CO, USA

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P); Theoretical (T)

Abstract: Synthetic aperture radar (SAR) images have proved to be useful for a variety of land-use analysis tools, ranging from ice-flow **monitoring** to flood- **damage** assessment. SAR **images** can also be used to derive terrain elevations, thereby greatly increasing their utility. The computation of height information from SAR images is usually accomplished from a stereo pair or an interferometric pair. These two algorithmically different approaches each has its unique strengths and weaknesses, but one feature they share is the need for two SAR images. The algorithm presented in this paper requires only a single SAR image, from which terrain information is extracted. A brief outline of the signal-processing

algorithm will be presented. It will be clearly shown how our new approach differs from previously presented approaches. Data collected from the Shuttle Imaging Radar-C (SIR-C) over the Lucky Rise area of the Mohave desert will be used to assess the performance of our new signal- **processing** algorithm. A detected **image** will be shown that contains height variation of greater than 500 meters. A new terrain map will be generated by our algorithm and a contour map made from the terrain map. It will be shown that overlaying the resulting contour map on top of the detected image greatly increases the utility of the SIR-C image. (9 Refs)

Subfile: B

Descriptors: feature extraction; geophysical techniques; image enhancement; radar imaging; remote sensing by radar; synthetic aperture radar

Identifiers: SIR-C imagery; height data; image enhancement; synthetic aperture radar; SAR; land-use analysis tools; ice-flow monitoring; flood-damage assessment; terrain information; signal-processing algorithm; Shuttle Imaging Radar-C; Lucky Rise area; detected image

Class Codes: B6320 (Radar equipment, systems and applications); B6140C (Optical information, image and video signal processing); B7710 (Geophysical techniques and equipment)

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19/5/6 (Item 6 from file: 2)

DIALOG(R) File 2:INSPEC

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04004513 INSPEC Abstract Number: A91144921

**Title: Fatigue monitoring by laser speckle**

Author(s): Dai, Y.Z.; Kato, A.; Chiang, F.P.

Author Affiliation: State Univ. of New York, Stony Brook, NY, USA

Journal: International Journal of Fatigue vol.13, no.3 p.227-32

Publication Date: May 1991 Country of Publication: UK

CODEN: IJFADB ISSN: 0142-1123

U.S. Copyright Clearance Center Code: 0142-1123/91/030227-06\$3.00

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: A non-contact, non-destructive remote fatigue **damage** **monitoring** technique is described. This technique employs a laser beam that illuminates the surface of a cyclically loaded specimen, and an **image** **processing** system that extracts fatigue **damage** related information in the speckle pattern scattered from the surface. The spectrum width extracted from the laser speckle pattern increases as a function of the number of loading cycles, indicating the possibility that it may be utilized for **monitoring** fatigue **damage** development. The numerical process for obtaining the spectrum width is discussed in detail followed by an experimental demonstration on a tension-tension fatigue study of the aluminium alloy 6061-T6. (10 Refs)

Subfile: A

Descriptors: aluminium alloys; fatigue testing; magnesium alloys; nondestructive testing; picture processing; silicon alloys; speckle

Identifiers: noncontact nondestructive remote fatigue damage monitoring technique; laser beam; cyclically loaded specimen; image processing system; fatigue damage related information; laser speckle pattern; loading cycles; fatigue damage development; numerical process; tension-tension fatigue study; Al-Mg-Si

Class Codes: A8170C (Nondestructive testing); A8140N (Fatigue, embrittlement, and fracture); A6220M (Fatigue, brittleness, fracture, and cracks); A8170 (Materials testing); A0760L (Interferometry)

Chemical Indexing:

AlMgSi ss - Al ss - Mg ss - Si ss (Elements - 3)

19/5/7 (Item 7 from file: 2)

DIALOG(R) File 2:INSPEC

03874363 INSPEC Abstract Number: A91063021, B91030008

**Title: Defect-image enlargement mechanism in electric discharge monitoring**

Author(s): Dezhkunova, S.V.; Kuzavko, Yu.A.; Zhigalko, M.I.

Author Affiliation: Appl. Phys. Inst., Acad. of Sci., Byelorussian SSR, USSR

Journal: Defektoskopiya vol.26, no.2 p.78-82

Publication Date: Feb. 1990 Country of Publication: USSR

CODEN: DEFKAG ISSN: 0130-3082

Translated in: Soviet Journal of Nondestructive Testing vol.26, no.2 p.152-6

Publication Date: Feb. 1990 Country of Publication: USA

CODEN: SJNTAB ISSN: 0038-5492

U.S. Copyright Clearance Center Code: 0038-5492/90/2602-0152\$12.50

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: Calculations are given on **defect image** broadening, which are compared with experiment. With discharge gaps  $d > \sigma$  or approximately=200  $\mu$ m, the electron paths and the image sizes are determined by two factors: the field gradient directly at the surface above the edges of the defect and the field from charge spots near the recording material formed by electrons deposited in previous discharges. To improve the sensitivity in **monitoring** for surface **defects**, they must be recorded with the largest possible discharge gap with a **photographic** material having a low dielectric constant. (8 Refs)

Subfile: A B

Descriptors: discharges (electric); flaw detection

Identifiers: defect image enlargement mechanism; electric discharge monitoring; defect image broadening; discharge gaps; electron paths; image sizes; field gradient; charge spots; recording material; surface defects; photographic material; dielectric constant

Class Codes: A8170C (Nondestructive testing); B0590 (Materials testing)

19/5/8 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

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03813453 INSPEC Abstract Number: A91030768

**Title: Damage monitoring of composite material by image processing**

Author(s): Dai, Y.Z.; Chiang, F.P.

Author Affiliation: State Univ. of New York, Stony Brook, NY, USA

Journal: Experimental Techniques vol.14, no.4 p.39-41

Publication Date: July-Aug. 1990 Country of Publication: USA

CODEN: EXPTD2 ISSN: 0732-8818

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: Instead of measuring surface topography of a specimen directly, the authors made use of its diffraction pattern. A laser beam was directed to the area of interest on the specimen surface and the diffraction patterns of the surface profile were observed on a piece of ground glass digitized by a digital camera and then processed by a computer. The light intensity distribution of these diffraction patterns at different plastic strain levels differs from one another indicating the feasibility of measuring the plastic strain or monitoring damage development in a mechanical component by the difference in the diffraction patterns. This difference was quantified by the cross-correlation method through an image processing system and utilized as a criterion for damage monitoring. (6 Refs)

Subfile: A

Descriptors: aluminium; computerised picture processing; fibre reinforced composites; fractography; light diffraction; silicon compounds; surface topography measurement

Identifiers: composite material; surface topography; laser beam;

diffraction patterns; surface profile; ground glass; digital camera; computer; light intensity distribution; plastic strain levels; damage development; mechanical component; cross-correlation method; image processing system; damage monitoring; SiC fibre reinforced Al composite

Class Codes: A8170 (Materials testing); A0630C (Spatial variables measurement); A4230V (Image processing and restoration)

Chemical Indexing:

SiCAL ss - Al ss - Si ss - C ss (Elements - 3)

✓

19/5/9 (Item 9 from file: 2)

DIALOG(R)File 2:INSPEC

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02429956 INSPEC Abstract Number: A85046302

Title: Renewable Resources Management. Applications of Remote Sensing. Proceedings of the RNRF Symposium on the Application of Remote Sensing to Resource Management

Publisher: American Soc. Photogrammetry, Falls Church, VA, USA

Publication Date: 1984 Country of Publication: USA x+774 pp.

ISBN: 0 937294 51 9

Conference Sponsor: American Soc. Photogrammetry

Conference Date: 22-27 May 1983 Conference Location: Seattle, WA, USA

Language: English Document Type: Conference Proceedings (CP)

Treatment: Practical (P); Theoretical (T); Experimental (X)

Abstract: The following topics were dealt with: remote sensing, natural resources, forest inventory, rangeland, wildlife management, Landsat mapping, airborne laser profiling system calibration, reflectance models, digital database, remotely piloted aircraft, United States, small format cameras, environment monitoring, National Cartographic Information Centre, vegetation variations, surface mined areas, dust storms, **photographic monitoring**, terrain mapping, crop **damage**, corn development, minerals, geology, energy potential, thermally altered wetlands, disease damage, insect damage, slope failure, fires, pollution, trees, legal aspects, runoff, coastal zone, submerged land, snow, volcanic activity, fish, water quality, stream channels, aquifers and erosion.

Subfile: A

Descriptors: remote sensing

Identifiers: remote sensing; natural resources; forest inventory; rangeland; wildlife management; Landsat mapping; airborne laser profiling system calibration; reflectance models; digital database; remotely piloted aircraft; United States; small format cameras; environment monitoring; National Cartographic Information Centre; vegetation variations; surface mined areas; dust storms; photographic monitoring; terrain mapping; crop damage; corn development; minerals; geology; energy potential; thermally altered wetlands; disease damage; insect damage; slope failure; fires; pollution; trees; legal aspects; runoff; coastal zone; submerged land; snow; volcanic activity; fish; water quality; stream channels; aquifers; erosion

Class Codes: A0130C (Conference proceedings); A8670 (Environmental science)

19/5/10 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

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0913524 H.W. WILSON RECORD NUMBER: BAST90039939

Damage monitoring of composite material by image processing  
Dai, Y. Z; Chiang, F. P

Experimental Techniques v. 14 (July/Aug. '90) p. 39-41

DOCUMENT TYPE: Feature Article ISSN: 0732-8818 LANGUAGE: English  
RECORD STATUS: New record

DESCRIPTORS: Speckle patterns--Statistical methods; Metal matrix

14/5/1 (Item 1 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06042186

Card-sized video camera gives portable computers fresh image  
UK: VVL DEVELOPS CARD-SIZED CAMERA FOR PCs  
Financial Times (FT) 07 Sep 1994 p.1  
Language: ENGLISH

VLSI Vision of the UK has developed the PC Card Camera, which they say is the first commercial miniature video camera which can take pictures and transfer them directly to a portable computer. The camera is expected to find use in industries where portable computers are used for the collection of information, for example in **damage** assessment where an **image** of a wrecked car could be included with a report. The PC Card Camera will cost GBP 600 with software and connections. The **credit** card sized device connects to a walnut sized camera which has a microchip and a small lens. It is able to take black and white stills and add them to documents, although full motion video is possible with extra software. With the addition of sound, which is planned shortly, the camera could be linked to a mobile telephone to allow in the field videoconferencing.

COMPANY: VLSI VISION  
PRODUCT: **Photographic** Equip & Supplies (3860); Instruments & Related Products (3800); Laptop Computers (3573LC);  
EVENT: Product Design & Development (33);  
COUNTRY: United Kingdom (4UK);

16/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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6823519 INSPEC Abstract Number: B2001-03-0170L-007, C2001-03-5260B-074

Title: Detection of internal defect by fusion of range image and X-ray image-matching method between range image and X-ray film image using contrast indicator image

Author(s): Aoki, K.; Suga, Y.; Suemori, R.

Journal: Journal of the Japan Society of Precision Engineering vol.66, no.2 p.292-7

Publisher: Japan Soc. Precision Eng,

Publication Date: Feb. 2000 Country of Publication: Japan

CODEN: JJPEAD ISSN: 0912-0289

SICI: 0912-0289(200002)66:2L.292:DIDF;1-D

Material Identity Number: J190-2001-002

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: In this study, construction of an automatic inspection system of X-ray film is tried. Films used in this study are acquired by X-ray inspection of welded joints. Because the X-ray radiographic testing method is useful in inspecting the inside of weld metal, it is often used in industry. However, the number of skilled inspectors for X-ray radiographic testing are gradually decreasing. Several methods to detect weld defects from **films automatically** have been investigated. But, an X-ray film involves noise, and **defect images** show very low contrast and various shape in spite of the same kinds of defect. Moreover, when unevenness on the surface of the bead is large, detection of an internal **defect image** is difficult with the previous technique which depends on only a two-dimensional film image. Therefore, in this study, the new **image processing** system was constructed. Shadows caused by the surface unevenness in the X-ray film are removed using the range image of the bead surface on this system. That is to say, first of all, the range image is matched to the X-ray image about resolution, intensity and location. Then, the transferred image is defined as the background image and subtracted from the X-ray **image**. In this **process**, the matching method between range **image** and X-ray image is important. In this study, the matching method using contrast indicator was constructed. (13 Refs)

Subfile: B C

Descriptors: image matching; inspection; nondestructive testing; radiography; sensor fusion; welding; X-ray imaging

Identifiers: internal defect detection; range image fusion; X-ray image fusion; image matching method; X-ray film image; contrast indicator image; X-ray radiographic testing method; welded joints; automatic inspection system; noise; **defect images**; surface unevenness; shadows removal; image resolution; image intensity; image location; nondestructive testing

Class Codes: B0170L (Inspection and quality control); B0170G (General fabrication techniques); B0590 (Materials testing); B7230G (Image sensors); B6135 (Optical, image and video signal processing); B6140 (Signal processing and detection); C5260B (Computer vision and image processing techniques); C5260A (Sensor fusion)

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18/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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7499372 INSPEC Abstract Number: A2003-04-8170J-001, B2003-02-0590-047, C2003-02-7400-013

**Title:** Automated flaw detection in aluminum castings based on the tracking of potential defects in a radioscopic image sequence

Author(s): Mery, D.; Filbert, D.

Author Affiliation: Dept. de Ingenieria Informatica, Univ. de Santiago de Chile, Chile

Journal: IEEE Transactions on Robotics and Automation vol.18, no.6 p.890-901

Publisher: IEEE,

Publication Date: Dec. 2002 Country of Publication: USA

CODEN: IRAUEZ ISSN: 1042-296X

SICI: 1042-296X(200212)18:6L.890:AFDA;1-C

Material Identity Number: M938-2002-007

U.S. Copyright Clearance Center Code: 1042-296X/02\$17.00

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Practical (P); Theoretical (T); Experimental (X)

Abstract: Presents a method for inspecting aluminum castings automatically from a sequence of radioscopic images taken at different positions of the casting. The classic **image - processing** methods for flaw detection of aluminum castings use a bank of filters to generate an error-free reference image. This reference image is compared with the real radioscopic image, and flaws are detected at the pixels where the difference between them is considerable. However, the configuration of each filter depends strongly on the size and shape of the structure of the casting under inspection. A two-step technique is proposed to detect flaws automatically and that uses a single filter. First, the method identifies potential **defects** in each **image** of the sequence, and second, it matches and tracks them from image to image. The key idea of the paper is to consider as false alarms those potential **defects** which cannot be **tracked** in the sequence. The robustness and reliability of the method have been verified on both real data in which synthetic flaws have been added and real radioscopic image sequences recorded from cast aluminum wheels with known defects. Using this method, the real defects can be detected with high certainty. This approach achieves good discrimination from false alarms. (21 Refs)

Subfile: A B C

Descriptors: computer vision; flaw detection; image segmentation; image sequences; X-ray imaging

Identifiers: automated flaw detection; aluminum castings; potential **defects** **tracking**; radioscopic image sequence; automated inspection; two-step technique; false alarms; robustness; reliability; computer vision; image segmentation; X-ray testing

Class Codes: A8170J (Nondestructive testing: X-ray methods); B0590 (Materials testing); B6135 (Optical, image and video signal processing); C7400 (Engineering computing); C5260B (Computer vision and image processing techniques)

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18/5/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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7334784 INSPEC Abstract Number: B2002-09-2210D-024, C2002-09-3350E-004

**Title:** Real time statistical process control of the screen print process [soldering]

Author(s): Beair, B.

Author Affiliation: Raytheon, McKinney, TX, USA

Conference Title: SMTA International. Proceedings of the Technical

Program p.513-16

Publisher: Surface Mount Technol. Assoc, Edina, MN, USA

Publication Date: 2001 Country of Publication: USA 878 pp.

Material Identity Number: XX-2001-01534

Conference Title: Proceedings of SMTA International

Conference Date: 30 Sept.-4 Oct. 2001 Conference Location: Rosemont, IL, USA

Medium: Also available on CD-ROM in PDF format

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The increased component density found on printed circuit boards (PCBs), coupled with faster assembly cycle time requirements and the increased cost of screen **print defects**, necessitate continuous **process monitoring** of manufacturing operations. Paste rheology, board warp, aperture size and many other assembly features drive the need for continuous monitoring of solder deposition volume. Current screen print equipment offers 2D and 3D paste inspection capability, but fails to archive the inspection data to permit continuous monitoring of solder volume. Access to historical data, trend analysis, and data set comparisons facilitates process monitoring. This paper provides an insight into continuous monitoring and the positive effects it can produce in the electronics market.

Subfile: B C

Descriptors: assembling; computerised monitoring; inspection; printed circuit manufacture; process monitoring; rheology; soldering; statistical process control

Identifiers: real time statistical process control; screen **print process**; component density; printed circuit boards; PCBs; assembly cycle time; screen **print defect** cost; continuous process monitoring; manufacturing operations; solder paste rheology; board warp; aperture size; solder deposition volume; screen print equipment; paste inspection capability; inspection data; historical data; trend analysis; data set comparisons; electronics market

Class Codes: B2210D (Printed circuit manufacture); B0170E (Production facilities and engineering); B0170L (Inspection and quality control); B0170S (Control equipment and processes in production engineering); B0170G (General fabrication techniques); C3350E (Control applications in the electronics industry); C3355F (Control applications in assembling); C7480 (Production engineering computing)

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18/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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6666242 INSPEC Abstract Number: A2000-18-4230-033, B2000-09-6135-186

Title: Shape, defect and position monitoring by optical image processing

Author(s): Tiziani, H.J.; Wagemann, E.U.; Haist, T.

Author Affiliation: Inst. fur Tech. Opt., Stuttgart Univ., Germany

Journal: Asian Journal of Physics vol.8, no.4 p.581-94

Publisher: Anita Publications,

Publication Date: Oct.-Dec. 1999 Country of Publication: India

CODEN: AJPHFU ISSN: 0971-3093

SICI: 0971-3093(199910/12)8:4L.581:SDPM;1-L

Material Identity Number: F301-2000-004

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: The need for shape, defects or position measurement is continuously growing. High frame rate and high flexibility are needed. Liquid crystal displays (LCD), both electrically or optically addressed, are able to display gray values and are a basis for a couple of new applications. They are applied as projection elements for object-adapted fringes for fast shape control. Electrically and optically addressed liquid

crystals enable a instantaneous adjustment of the projection brightness. In addition, a fringe projection based correlation method can be a powerful tool for position control. Optically addressed crystals enable new possibilities in analog real-time **image processing**. They are able to detect defects in periodic media and microstructures just by using polarization properties. This is of major interest in microelectronic manufacturing today and even more in the near future. In the paper we review some of our latest results dealing with applications of liquid crystal light modulators. (30 Refs)

Subfile: A B

Descriptors: electro-optical filters; electro-optical modulation; flaw detection; **image processing**; light polarisation; liquid crystal displays; moire fringes; optical correlation; optical information processing; periodic structures; position measurement; real-time systems; shape measurement; spatial filters; spatial light modulators

Identifiers: position monitoring; **defect monitoring**; shape monitoring; optical **image processing**; position measurement; defect measurement; shape measurement; frame rate; flexibility; liquid crystal displays; optically addressed liquid crystal displays; electrically addressed liquid crystal displays; gray values; projection elements; object-adapted fringes; fast shape control; optically addressed liquid crystals; electrical addressed liquid crystals; projection brightness; fringe projection based correlation method; position control; optically addressed crystals; analog real-time **image processing**; periodic media; microstructures; polarization properties; microelectronic manufacturing; review; liquid crystal light modulators

Class Codes: A4230V (Image processing and restoration); A0630C (Spatial variables measurement); A8170G (Nondestructive testing: optical methods); A4280K (Optical beam modulators); A4280B (Spatial filters, zone plates, and polarizers); A4280C (Spectral and other filters); B6135 (Optical, image and video signal processing); B7320C (Spatial variables measurement); B0590 (Materials testing); B4150D (Liquid crystal devices); B4190F (Optical coatings and filters); B7260F (Display equipment and systems)

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18/5/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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6532919 INSPEC Abstract Number: C2000-04-7480-165

Title: **Online layer monitoring and defect inspection of model maker rapid prototyping system using vision technology**

Author(s): Jeng-Ywan Jeng; Jia-Chang Wang; Tsung Te Lin

Author Affiliation: Dept. of Mech. Eng., Nat. Taiwan Univ. of Sci. & Technol., Taipei, Taiwan

Journal: Journal of the Chinese Society of Mechanical Engineers  
vol.20, no.6 p.575-84

Publisher: Chinese Soc. Mech. Eng,

Publication Date: Dec. 1999 Country of Publication: Taiwan

CODEN: CCHPEK ISSN: 0257-9731

SICI: 0257-9731(199912)20:6L.575:OLMD;1-S

Material Identity Number: I862-2000-001

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P); Theoretical (T)

Abstract: The rapid prototyping (RP) technology has been successfully employed to fabricate a 3D object, layer by layer. The vision technology has great potential for the inspection and monitoring of the RP process, because both of these two technologies are characterized as 2D processes. A monochrome CCD camera and several **image - processing** algorithms, including filtering, smoothing, **image** difference, and texture discrimination algorithms, were employed in this research to capture the object **image** and identify **defects**. An algorithm for the adaptive texture analysis (ATA) in **defect** inspection is presented. Effects of **image** differences and adaptive texture analysis on defect inspection are

evaluated. Defect inspection using ATA is recommended, though the algorithm and computation are more complicated. Once a defect is identified, a compensated program is then generated and transferred back online to fix the defect, layer by layer. Some promising results were obtained for the online defect inspection RP system using vision technology. (18 Refs)

Subfile: C

Descriptors: automatic optical inspection; computer vision; computerised monitoring; image texture; production engineering computing; rapid prototyping (industrial); real-time systems; solid modelling

Identifiers: layer monitoring; defect inspection; rapid prototyping; computer vision; solid modeling; real time systems; texture discrimination; adaptive texture analysis; online monitoring

Class Codes: C7480 (Production engineering computing); C5260B (Computer vision and image processing techniques); C6130B (Graphics techniques)

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18/5/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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5712904 INSPEC Abstract Number: A9722-8140N-005

Title: Characterization of low-cycle fatigue damage in Inconel 718 by laser light scanning

Author(s): Chou, K.J.C.; Earthman, J.C.

Author Affiliation: Dept. of Chem. & Biochem. & Mater. Sci., California Univ., Irvine, CA, USA

Journal: Journal of Materials Research vol.12, no.8 p.2048-56

Publisher: Mater. Res. Soc,

Publication Date: Aug. 1997 Country of Publication: USA

CODEN: JMREEE ISSN: 0884-2914

SICI: 0884-2914(199708)12:8L.2048:CCFD;1-U

Material Identity Number: I870-97009

U.S. Copyright Clearance Center Code: 0884-2914/97/\$2.50

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: A technique for in situ laser light scanning (LLS) was developed to monitor surface damage on nickel-base superalloy specimens under low-cycle fatigue conditions. This technique characterizes the surface state with a parameter called the defect frequency which minimizes memory requirements and data processing time since it does not involve image processing. As a result, the present technique is capable of scanning speeds that are substantially greater than those achieved with image processing methods. Cylindrical Inconel 718 specimens were tested using an automated servo-hydraulic machine at ambient temperature under fully reversed strain control conditions for constant strain amplitudes ranging from 0.3% to 1%. The fatigue damage was monitored by scanning a laser beam along the gauge section of the specimens during periodic interruptions of the cyclic loading. Acetate replicas of the gauge section surface were also made on some of the specimens to characterize the damage using SEM and image analysis techniques. Comparisons of the results demonstrate the capabilities of the present light-scanning technique for characterizing fatigue damage on the surface of the Inconel 718 specimens. In particular, a rapid rise in the mean defect frequency is shown to correspond to an initial increase in microcrack density that saturates at approximately 20% of the fatigue life. This transient behavior is followed by a plateau in defect frequency which corresponds to crack propagation and interlinkage until failure occurs. The number of cycles to microcrack density saturation as indicated by the defect frequency is found to be linearly related to the number of cycles to failure. Accordingly, the present system provides a characterization of microcrack damage that may be used to predict the low-cycle fatigue life of Inconel 718 specimens long before failure occurs. (14 Refs)

Subfile: A

Descriptors: chromium alloys; fatigue; iron alloys; laser beam

applications; light scattering; microcracks; molybdenum alloys; nickel alloys; scanning electron microscopy; superalloys

Identifiers: Inconel 718; low-cycle fatigue damage; laser light scanning; surface damage; nickel-base superalloy; defect frequency; scanning speed; data processing time; reversed strain control; constant strain amplitude; cyclic loading; SEM; image analysis; microcrack density; crack propagation

Class Codes: A8140N (Fatigue, embrittlement, and fracture); A6220M (Fatigue, brittleness, fracture, and cracks); A7835 (Brillouin and Rayleigh scattering (condensed matter))

Chemical Indexing:

Cr ss - Fe ss - Mo ss - Ni ss (Elements - 4)

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18/5/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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5515019 INSPEC Abstract Number: B9704-6320-013

**Title: Enhancement of SIR-C imagery with the addition of height data**

Author(s): Guarino, C.R.

Author Affiliation: Lockheed Martin, Gaithersburg, MD, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.2847 p.319-23

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1996 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1996)2847L.319:EIWA;1-P

Material Identity Number: C574-96300

U.S. Copyright Clearance Center Code: 0 8194 2235 5/96/\$6.00

Conference Title: Applications of Digital Image Processing XIX

Conference Sponsor: SPIE

Conference Date: 7-9 Aug. 1996 Conference Location: Denver, CO, USA

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P); Theoretical (T)

Abstract: Synthetic aperture radar (SAR) images have proved to be useful for a variety of land-use analysis tools, ranging from ice-flow **monitoring** to flood- **damage** assessment. SAR **images** can also be used to derive terrain elevations, thereby greatly increasing their utility. The computation of height information from SAR images is usually accomplished from a stereo pair or an interferometric pair. These two algorithmically different approaches each has its unique strengths and weaknesses, but one feature they share is the need for two SAR images. The algorithm presented in this paper requires only a single SAR image, from which terrain information is extracted. A brief outline of the signal-processing algorithm will be presented. It will be clearly shown how our new approach differs from previously presented approaches. Data collected from the Shuttle Imaging Radar-C (SIR-C) over the Lucky Rise area of the Mohave desert will be used to assess the performance of our new signal- **processing** algorithm. A detected **image** will be shown that contains height variation of greater than 500 meters. A new terrain map will be generated by our algorithm and a contour map made from the terrain map. It will be shown that overlaying the resulting contour map on top of the detected image greatly increases the utility of the SIR-C image. (9 Refs)

Subfile: B

Descriptors: feature extraction; geophysical techniques; image enhancement; radar imaging; remote sensing by radar; synthetic aperture radar

Identifiers: SIR-C imagery; height data; image enhancement; synthetic aperture radar; SAR; land-use analysis tools; ice-flow monitoring; flood-damage assessment; terrain information; signal-processing algorithm; Shuttle Imaging Radar-C; Lucky Rise area; detected image

Class Codes: B6320 (Radar equipment, systems and applications); B6140C (

18/5/7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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04004513 INSPEC Abstract Number: A91144921

**Title: Fatigue monitoring by laser speckle**

Author(s): Dai, Y.Z.; Kato, A.; Chiang, F.P.

Author Affiliation: State Univ. of New York, Stony Brook, NY, USA

Journal: International Journal of Fatigue vol.13, no.3 p.227-32

Publication Date: May 1991 Country of Publication: UK

CODEN: IJFADB ISSN: 0142-1123

U.S. Copyright Clearance Center Code: 0142-1123/91/030227-06\$3.00

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: A non-contact, non-destructive remote fatigue **damage monitoring** technique is described. This technique employs a laser beam that illuminates the surface of a cyclically loaded specimen, and an **image processing** system that extracts fatigue **damage** related information in the speckle pattern scattered from the surface. The spectrum width extracted from the laser speckle pattern increases as a function of the number of loading cycles, indicating the possibility that it may be utilized for **monitoring** fatigue **damage** development. The numerical process for obtaining the spectrum width is discussed in detail followed by an experimental demonstration on a tension-tension fatigue study of the aluminium alloy 6061-T6. (10 Refs)

Subfile: A

Descriptors: aluminium alloys; fatigue testing; magnesium alloys; nondestructive testing; **picture processing**; silicon alloys; speckle

Identifiers: noncontact nondestructive remote fatigue **damage monitoring** technique; laser beam; cyclically loaded specimen; **image processing** system; fatigue damage related information; laser speckle pattern; loading cycles; fatigue damage development; numerical process; tension-tension fatigue study; Al-Mg-Si

Class Codes: A8170C (Nondestructive testing); A8140N (Fatigue, embrittlement, and fracture); A6220M (Fatigue, brittleness, fracture, and cracks); A8170 (Materials testing); A0760L (Interferometry)

Chemical Indexing:

AlMgSi ss - Al ss - Mg ss - Si ss (Elements - 3)

18/5/8 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03874363 INSPEC Abstract Number: A91063021, B91030008

**Title: Defect - image enlargement mechanism in electric discharge monitoring**

Author(s): Dezhkunova, S.V.; Kuzavko, Yu.A.; Zhigalko, M.I.

Author Affiliation: Appl. Phys. Inst., Acad. of Sci., Byelorussian SSR, USSR

Journal: Defektoskopiya vol.26, no.2 p.78-82

Publication Date: Feb. 1990 Country of Publication: USSR

CODEN: DEFKAG ISSN: 0130-3082

Translated in: Soviet Journal of Nondestructive Testing vol.26, no.2 p.152-6

Publication Date: Feb. 1990 Country of Publication: USA

CODEN: SJNTAB ISSN: 0038-5492

U.S. Copyright Clearance Center Code: 0038-5492/90/2602-0152\$12.50

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: Calculations are given on **defect image** broadening, which are compared with experiment. With discharge gaps  $d > \text{or approximately} = 200 \mu\text{m}$ , the electron paths and the image sizes are determined by two factors: the field gradient directly at the surface above the edges of the defect and the field from charge spots near the recording material formed by electrons deposited in previous discharges. To improve the sensitivity in **monitoring** for surface **defects**, they must be recorded with the largest possible discharge gap with a **photographic** material having a low dielectric constant. (8 Refs)

Subfile: A B

Descriptors: discharges (electric); flaw detection

Identifiers: **defect image** enlargement mechanism; electric discharge monitoring; **defect image** broadening; discharge gaps; electron paths; image sizes; field gradient; charge spots; recording material; surface defects; **photographic** material; dielectric constant

Class Codes: A8170C (Nondestructive testing); B0590 (Materials testing)

18/5/9 (Item 9 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03813453 INSPEC Abstract Number: A91030768

**Title:** Damage monitoring of composite material by image processing

Author(s): Dai, Y.Z.; Chiang, F.P.

Author Affiliation: State Univ. of New York, Stony Brook, NY, USA

Journal: Experimental Techniques vol.14, no.4 p.39-41

Publication Date: July-Aug. 1990 Country of Publication: USA

CODEN: EXPTD2 ISSN: 0732-8818

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: Instead of measuring surface topography of a specimen directly, the authors made use of its diffraction pattern. A laser beam was directed to the area of interest on the specimen surface and the diffraction patterns of the surface profile were observed on a piece of ground glass digitized by a digital camera and then processed by a computer. The light intensity distribution of these diffraction patterns at different plastic strain levels differs from one another indicating the feasibility of measuring the plastic strain or **monitoring damage** development in a mechanical component by the difference in the diffraction patterns. This difference was quantified by the cross-correlation method through an **image processing** system and utilized as a criterion for **damage monitoring**.

(6 Refs)

Subfile: A

Descriptors: aluminium; computerised **picture processing**; fibre reinforced composites; fractography; light diffraction; silicon compounds; surface topography measurement

Identifiers: composite material; surface topography; laser beam; diffraction patterns; surface profile; ground glass; digital camera; computer; light intensity distribution; plastic strain levels; damage development; mechanical component; cross-correlation method; **image processing** system; **damage monitoring**; SiC fibre reinforced Al composite

Class Codes: A8170 (Materials testing); A0630C (Spatial variables measurement); A4230V (Image processing and restoration)

Chemical Indexing:

SiCAl ss - Al ss - Si ss - C ss (Elements - 3)

18/5/10 (Item 10 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02429956 INSPEC Abstract Number: A85046302

**Title:** Renewable Resources Management. Applications of Remote Sensing.

Proceedings of the RNRF Symposium on the Application of Remote Sensing to Resource Management

Publisher: American Soc. Photogrammetry, Falls Church, VA, USA

Publication Date: 1984 Country of Publication: USA x+774 pp.

ISBN: 0 937294 51 9

Conference Sponsor: American Soc. Photogrammetry

Conference Date: 22-27 May 1983 Conference Location: Seattle, WA, USA

Language: English Document Type: Conference Proceedings (CP)

Treatment: Practical (P); Theoretical (T); Experimental (X)

Abstract: The following topics were dealt with: remote sensing, natural resources, forest inventory, rangeland, wildlife management, Landsat mapping, airborne laser profiling system calibration, reflectance models, digital database, remotely piloted aircraft, United States, small format cameras, environment monitoring, National Cartographic Information Centre, vegetation variations, surface mined areas, dust storms, **photographic monitoring**, terrain mapping, crop **damage**, corn development, minerals, geology, energy potential, thermally altered wetlands, disease damage, insect damage, slope failure, fires, pollution, trees, legal aspects, runoff, coastal zone, submerged land, snow, volcanic activity, fish, water quality, stream channels, aquifers and erosion.

Subfile: A

Descriptors: remote sensing

Identifiers: remote sensing; natural resources; forest inventory; rangeland; wildlife management; Landsat mapping; airborne laser profiling system calibration; reflectance models; digital database; remotely piloted aircraft; United States; small format cameras; environment monitoring; National Cartographic Information Centre; vegetation variations; surface mined areas; dust storms; **photographic** monitoring; terrain mapping; crop damage; corn development; minerals; geology; energy potential; thermally altered wetlands; disease damage; insect damage; slope failure; fires; pollution; trees; legal aspects; runoff; coastal zone; submerged land; snow; volcanic activity; fish; water quality; stream channels; aquifers; erosion

Class Codes: A0130C (Conference proceedings); A8670 (Environmental science)

18/5/11 (Item 11 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2003 Institution of Electrical Engineers. All rts. reserv.

01870394 INSPEC Abstract Number: A82060141, B82031137

Title: A new photographic **technique for observing bulk laser** damage

Author(s): Thomas, N.; Sonderman, J.; Stokowski, S.; Wallerstein, P.; Walmer, D.

Author Affiliation: Lawrence Livermore Nat. Lab., Univ. of California, Livermore, CA, USA

Conference Title: Laser Induced Damage in Optical Materials: 1980. Proceedings of a Symposium (NBS-SP-620) p.159-69

Editor(s): Bennett, H.E.; Glass, A.J.; Guenther, A.H.; Newnam, B.E.

Publisher: NBS, Washington, DC, USA

Publication Date: 1981 Country of Publication: USA xvii+466 pp.

Conference Date: 30 Sept.-1 Oct. 1980 Conference Location: Boulder, CO, USA

Language: English Document Type: Conference Paper (PA)

Treatment: New Developments (N); Practical (P); Experimental (X)

Abstract: A damage site camera was developed to record the onset of bulk laser **damage** in materials. The camera images and magnifies the **damage track** using forward-scattered laser light. Employing this camera one can detect the presence of very small (<10  $\mu$ m) damage sites with densities as low as 10/cc. The authors have observed discrete damage sites generated within the bulk of some materials, such as silicate glass, fluorophosphate glass, and KDP crystals, by 1-ns, 1064-nm laser pulses. The energy fluxes at which bulk damage is initiated are in the range of 2 to 20 J/cm<sup>2</sup>, much lower than the fluxes required to cause damage by intrinsic processes.

Small foreign inclusions (<1  $\mu\text{m}$  diameter) are the cause of these low bulk damage thresholds. The inclusion density varies from  $10/\text{sup} 7/\text{cc}$  to less than  $10/\text{cc}$ . At threshold the damaged volumes are small (1-5  $\mu\text{m}$  in diameter) and thus can be observed most easily by their forward-scattered light. (3 Refs)

Subfile: A B

Descriptors: laser beam effects; light scattering; optical glass; optical materials; **photographic** applications; potassium compounds

Identifiers: KH/sub 2/PO/sub 4/ crystals; **photographic** technique; bulk laser damage; damage site camera; **damage track**; forward-scattered laser light; discrete damage sites; silicate glass; fluorophosphate glass; foreign inclusions; inclusion density

Class Codes: A0768 (Photography, photographic instruments and techniques); A4260H (Laser beam characteristics and interactions); A4270C (Glass); A4270F (Other optical materials); A6180B (Ultraviolet, visible and infrared radiation); B4110 (Optical materials); B4330 (Laser beam interactions and properties)

18/5/12 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01462017 ORDER NO: AADAA-I9603618

**SEISMIC RETROFIT OF STRUCTURES WITH SUPPLEMENTAL DAMPING (EXPERIMENTAL AND ANALYTICAL EVALUATION) (EARTHQUAKE DAMAGE)**

Author: LI, CHEN

Degree: PH.D.

Year: 1995

Corporate Source/Institution: STATE UNIVERSITY OF NEW YORK AT BUFFALO (0656)

Adviser: ANDREI M. REINHORN

Source: VOLUME 56/10-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 5654. 313 PAGES

Descriptors: ENGINEERING, CIVIL

Descriptor Codes: 0543

The need for structures which function reliably without damage during severe earthquakes was reemphasized by the behavior of structures during recent earthquakes (Loma Prieta 1989, Northridge 1994, Kobe 1995, etc.). The existing structures and often new ones must rely on large inelastic deformations and hysteretic behavior to dissipate the motion's energy, while the capacity to sustain such deformations may be limited by previous non-ductile design or limitations of materials. An alternative method to reduce the demand of energy dissipation in the gravity load carrying elements of structures is the addition of damping devices. These devices dissipate most energy through heat transfer and reduce the deformation demands. In inelastic structures the supplemental damping mechanism reduces primarily deformations with small changes in the strength demand. The main benefit of added damping in the inelastic structures is the reduction of the demand for energy dissipation in the gravity load carrying structural members, thus reducing the deterioration of their low cycle fatigue capacity.

An experimental investigation of different damping devices was carried out individually to allow for physical and mathematical modeling of their behavior. A series of shaking table tests of a 1:3 scale reinforced concrete frame incorporating these devices were performed after the **frame** was **damaged** by prior severe (simulated) earthquakes.

Several different damping devices were used in this study: (a) fluid viscous, (b) friction (of two types) and (c) fluid viscous walls. An analytical platform for evaluation of structures integrating such devices was developed and incorporated in a computer program IDARC Version 3.2 (Kunnath and Reinhorn, 1994). The experimental and analytical study shows that the dampers can reduce inelastic deformation demands and, moreover, reduce the **damage**, quantified by an index **monitoring** permanent

deformations. An evaluation procedure for the efficiency of dampers using a simplified pushover analysis method was investigated as an alternative method for prediction of structural behavior and design.

The experimental results and analytical predictions conclude that the structure benefits remarkably through retrofitting by supplemental damping devices tested. All of these damping devices reduce structural deformation significantly (viscous walls reduce the most). However, fluid viscous dampers and friction dampers may only minimally reduce or sometimes increase the structure's base shear force due to the combined effects of damping, stiffening and strengthening. Viscous walls may increase the structural base shear (with larger deformation reduction) due to significant stiffening.

This dissertation presents a comprehensive analytical and experimental evaluation of fluid viscous dampers, friction dampers and viscous damping walls used as supplemental dampers in the retrofit of reinforced concrete **frame** structures. The new techniques **developed** in this dissertation enable a more reliable and quicker evaluation of inelastic structures retrofitted with supplemental dampers. The new techniques were verified through the experimental and numerical studies.

It should be noted that all devices were originally designed to produce the same force under the design conditions. The actual dampers delivered significantly different forces such that the dampers cannot be compared directly. The comparison of the dampers in this research is based on the type of behavior instead of quantified contributions.

18/5/13 (Item 1 from file: 65)

DIALOG(R)File 65:Inside Conferences

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03439990 INSIDE CONFERENCE ITEM ID: CN036294980

**Use of Airborne Digital Video Imagery to Monitor Damage Caused by Two Honeydew-Excreting Insects on Cotton**

Summy, K. R.; Everitt, J. H.; Escobar, D.; Alaniz, M. A.; Davis, M. R.  
CONFERENCE: Videography and color photography in resource assessment-

Biennial workshop; 16th

BIENNIAL WORKSHOP ON VIDEOGRAPHY AND COLOR PHOTOGRAPHY IN RESOURCE ASSESSMENT, 1997; 16TH P: 238-244

American Society for Photogrammetry and Remote Sensing, 1997

ISBN: 1570830509

LANGUAGE: English DOCUMENT TYPE: Conference Selected papers

CONFERENCE SPONSOR: American Society for Photogrammetry and Remote Sensing

CONFERENCE LOCATION: Weslaco, TX

CONFERENCE DATE: Apr 1997 (199704) (199704)

BRITISH LIBRARY ITEM LOCATION: 2057.246000

DESCRIPTORS: videography; color **photography** ; resource assessment; ASPRS ; photogrammetry; remote sensing

18/5/14 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

(c) 2003 The HW Wilson Co. All rts. reserv.

0913524 H.W. WILSON RECORD NUMBER: BAST90039939

Damage monitoring of **composite material** by image processing  
Dai, Y. Z; Chiang, F. P

Experimental Techniques v. 14 (July/Aug. '90) p. 39-41

DOCUMENT TYPE: Feature Article ISSN: 0732-8818 LANGUAGE: English  
RECORD STATUS: New record

DESCRIPTORS: Speckle patterns--Statistical methods; Metal matrix composites--Silicon carbide fiber reinforcement; Surface roughness--Measurement;

15/3,K/1 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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15154128 SUPPLIER NUMBER: 92203070 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Current labor statistics. (Statistical Data Included)**

Monthly Labor Review, 125, 6, 69(68)

June, 2002

DOCUMENT TYPE: Statistical Data Included ISSN: 0098-1818

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 39226 LINE COUNT: 15191

... or her job.

Definition

A fatal work injury is any intentional or unintentional wound or damage to the body resulting in death from acute exposure to energy, such as heat or...real estate 160.3

Excluding sales occupations	164.5
Banking, savings and loan, and other credit	
agencies	181.2
Insurance	157.1
Service	159.5
Business services	164.0
Health services...real estate	2.8
Excluding sales occupations	3.4
Banking, savings and loan, and other credit	
agencies	5.5
Insurance	1.4
Service	.8
Business services	.2
Health services	1.2
...real estate	4.2
Excluding sales occupations	5.0
Banking, savings and loan, and other credit	
agencies	7.0
Insurance	3.1
Service	3.7
Business services	3.7
Health services...	

15/3,K/2 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

11765019 SUPPLIER NUMBER: 57564525 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Trade Names, Patterns, Shapes & Cuttings.**

Gifts & Decorative Accessories, 211

Sept 15, 1998

ISSN: 0016-9889 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 11744 LINE COUNT: 04668

... Relationships (TM)	Heartsteps
Greeting cards	
Sterling(R)	Raja Prod Co
Sterling Collection	MHD Enterprises
Blank <b>photographic</b> note cards	
Sterling Cut Glass	Gilbert Stone Enterprises
Custom-etched glassware	
Sterlingtown	Union Stoneware
Stick Figures...Bay Magnets	
Three Stooges Watches	Valdawn Watch Co
Through My Eyes	Through My Eyes
Handcrafoed <b>photographic</b> cards ( blank or greeted)	
Tickle-me-do	Snickelldoodles
Tickled Pink	Present Tense
Tiffany Reproductions	Meyda Tiffany
Meyda...Hibel Studio Edna	
Very Escents(TM) Potpourri	DMC Marketing
Potpourri products	
Vetus	Vetus-Denouden
Nautical <b>gifts</b> & parts	
VIBs (Very Important Bears)	North American Bear Co
Character bears-collectible	
Victoria	
Ashlea Originals...	
...textiles	
Vinofilter	Polytechnic
Wine filter	
Vintage	Laughlin China Co Homer
Embossed shape	
Visions	Visions
Glass <b>gift</b> boxes	
Vista Alegre	Mottahedeh
Oven-to-tableware	
Visuplate	Master Woodcraft
Chalkboard	
Vital Thymes(R)	Thymes...
Shelterwood Publishing	
Fine art notecards	
Whimsicals	WACO Products
Animated porcelain music boxes	

15/3,K/3 (Item 3 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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09704366 SUPPLIER NUMBER: 19719001 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
1/2 Off Card Shop Reinvents Itself September 3  
PR Newswire, p903DEW004  
Sep 3, 1997  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 535 LINE COUNT: 00050

... find what they're looking for immediately; an expanded greeting card selection which includes humorous, **photographic**, **blank** and religious cards; one-stop shopping features like a custom imprinting department and a larger **gift** area; and a large expansion on quality party supplies for children, adults, themes, weddings and...

15/3,K/4 (Item 4 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

06517137 SUPPLIER NUMBER: 14332893 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Green bottle has green significance. (Coty's packaging for Emeraude fragrance)**  
Packaging Digest, v30, n5, p52(1)  
May, 1993  
ISSN: 0030-9117 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 853 LINE COUNT: 00066

... price as "a \$13.50 value" and noting that the price tag is removable for **gift** giving, and (2) folded and glued integral supports that secure the bottle in place. Arkay offset- **prints** the **blank** in four **process** and two special colors, protecting the decorated surfaces with an ultraviolet gloss lacquer.

In discussing...

15/3,K/5 (Item 5 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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05578875 SUPPLIER NUMBER: 11810635 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Playing it safe in the darkroom.**  
Lindgren, C.E.  
PSA Journal, v57, n12, p22(2)  
Dec, 1991  
CODEN: PHABB ISSN: 0030-8277 LANGUAGE: ENGLISH RECORD TYPE:  
FULLTEXT; ABSTRACT  
WORD COUNT: 1239 LINE COUNT: 00100

... dangers. A June 1987 issue of the JRSH states: "Reported illnesses suffered by workers using ... **photographic** chemicals include permanent **damage** to vocal cords, damage to the central nervous system, damage to the immune system resulting..."

...Lupus Erythematosus." By playing it safe and using the necessary precautions, darkroom work can be **rewarding**, safe and exciting. Playing it safe is the key.

N

15/3,K/6 (Item 6 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

03301383 SUPPLIER NUMBER: 05172618 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Full steam ahead at Sanofi. (Holiday Fragrances supplement)**

Monahan, Julie A.

WWD, v154, pS8(1)

Sept 11, 1987

ISSN: 0149-5380

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 1055

LINE COUNT: 00079

... co-op advertising, Sanofi will not advertise L'Insolent this fall while the new spring **print** campaign is under **development**. Those unused advertising dollars will be allocated instead for the promotional **gifts**. The new print campaign will run in France and the U.S.

To keep the...

15/3,K/7 (Item 1 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

(c) 2003 The Gale group. All rts. reserv.

04736213 SUPPLIER NUMBER: 19223773 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**The real price of financial advice: some 'fee-only' planners collect commissions, too. (trade group for fee-only planners is the National Assn. of Personal Financial Advisors) (Your Family Finances)**

Frick, Robert

Kiplinger's Personal Finance Magazine, v51, n4, p125(2)

April, 1997

ISSN: 1056-697X

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1815

LINE COUNT: 00138

... gown would be covered up to \$1,000. There's \$1,500 of coverage against **photographic** mishaps, such as theft or **damage** to the film, and \$1,000 of protection against lost wedding **gifts**. And should one of the 15 sword bearers at Rachel and James's wedding slip...

17/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

04056378 Supplier Number: 45901359 (USE FORMAT 7 FOR FULLTEXT)

**New Format Does Dallas: Lab Equipment Takes Center Stage**

Photographic Trade News, p32

Nov 1, 1995

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1457

... new system will be correspondingly reduced in size, by 15-25%, according to Kodak. The **film** cassettes are 'leaderless,' **automatically** thrusting the **film** into its exposure path in the camera in a new form of 'drop-in' loading...

...film. In addition to other conveniences and safeguards, this will protect customers from accidentally returning **unexposed rolls** for **processing**.

At both the Kodak-sponsored meeting in Dallas (which included the participation of Gretag, Noritsu...).

17/3,K/2 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2003 The Gale Group. All rts. reserv.

11765019 SUPPLIER NUMBER: 57564525 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Trade Names, Patterns, Shapes & Cuttings.**

Gifts & Decorative Accessories, 211

Sept 15, 1998

ISSN: 0016-9889 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 11744 LINE COUNT: 04668

... Gift boxes & giftwraps

Gift Cardz

Gift Cardz

Gift Trends

Wine Things Unlimited

Gift-Design

Drybranch

Gift products

**Gift - Giving** Santas by

Kurt S Adler/Santa's World

Paul F Bolinger

Gifted Bags(TM)

Gifted...

Relationships(TM)

Heartsteps

Greeting cards

Sterling(R)

Raja Prod Co

Sterling Collection

MHD Enterprises

Blank **photographic note** cards

Sterling Cut Glass

Gilbert Stone Enterprises

Custom-etched glassware

Sterlingtown

Union Stoneware

Stick Figures...Bay

Magnets

Three Stooges Watches

Valdawn Watch Co

Through My Eyes	Through My Eyes
Handcrafoed photographic cards ( blank or greeted)	
Tickle-me-do	Snickelldoodles
Tickled Pink	Present Tense
Tiffany Reproductions	Meyda Tiffany
Meyda...	

17/3,K/3 (Item 2 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
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06517137 SUPPLIER NUMBER: 14332893 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Green bottle has green significance. (Coty's packaging for Emeraude fragrance)**

Packaging Digest, v30, n5, p52(1)  
May, 1993

ISSN: 0030-9117 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 853 LINE COUNT: 00066

... price as "a \$13.50 value" and noting that the price tag is removable for **gift giving**, and (2) folded and glued integral supports that secure the bottle in place. Arkay offset- **prints** the **blank** in four **process** and two special colors, protecting the decorated surfaces with an ultraviolet gloss lacquer.

In discussing...

18/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2003 The Gale Group. All rts. reserv.

04056378 Supplier Number: 45901359 (USE FORMAT 7 FOR FULLTEXT)

**New Format Does Dallas: Lab Equipment Takes Center Stage**

Photographic Trade News, p32

Nov 1, 1995

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1457

... new system will be correspondingly reduced in size, by 15-25%, according to Kodak. The **film** cassettes are 'leaderless,' **automatically** thrusting the **film** into its exposure path in the camera in a new form of 'drop-in' loading...

...film. In addition to other conveniences and safeguards, this will protect customers from accidentally returning **unexposed rolls** for **processing**.

At both the Kodak-sponsored meeting in Dallas (which included the participation of Gretag, Noritsu...

21/3,K/1 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
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01847347 Supplier Number: 42338575 (USE FORMAT 7 FOR FULLTEXT)

**Fuji Photo Film Markets Device for Inspecting Sheet Steel**  
Comline Industrial Machinery & Mechanical Engineering, p5  
Sept 2, 1991

Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 153

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...sheet form, such as sheet steel or paper. The FP 1000 can perform high-resolution **image processing** and can display **defects** on a CRT **monitor** within 1 sec. The device is designed for use with the "FL 9000," a laser...

21/3,K/2 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
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11772509 SUPPLIER NUMBER: 58064759 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**X-RAYS ENHANCE AOI.**

AMTOWER, RICHARD  
Assembly, 42, 11, 30  
Nov, 1999

ISSN: 1050-8171 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 1437 LINE COUNT: 00131

... X-ray is activated a live, enhanced image of the PCB is viewed on the **monitor** and inspected for **defects**.

Enhancement and **image processing** are important in X-ray inspection, because X-ray images are inherently noisy and low...

21/3,K/3 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2003 The Gale Group. All rts. reserv.

07483574 SUPPLIER NUMBER: 15634837 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Computer-based automation and controls. (Directory)**

New Steel, v10, n7, p38(7)

July, 1994

DOCUMENT TYPE: Directory LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT;  
ABSTRACT

WORD COUNT: 4883 LINE COUNT: 00409

... W. 7TH AVE. HOMESTEAD PA 15136 PH: 412-461-4110 FAX: 412-461-5400

Services: **Monitoring** and data logging, computer-based **defect** -mapping systems for **roll** surfaces, programmable **processor** for machine tools

Contact: Frank Musto, VP Technical Sales and Service; Paul C. Fleiner, VP...

21/3,K/4 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB  
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06207020 SUPPLIER NUMBER: 13622162 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Narrow-web industry needs drive product introductions. (part 2)**

Paper, Film and Foil CONVERTER, v66, n12, p50(2)  
Dec, 1992  
ISSN: 0031-1138 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT  
WORD COUNT: 2007 LINE COUNT: 00165

... requests for remote proofing, according to Barco Graphics Inc.,  
Vandalia, OH.

For quality control, statistical- process -control packages are  
enriching **print - defect** and bar-code **monitoring**. The inherent ability  
of video systems to take multiple samples lends itself to providing  
statistical...

**21/3,K/5 (Item 1 from file: 160)**  
DIALOG(R)File 160:Gale Group PROMT(R)  
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02189719

The Dwight Cavendish Company is now offering the 1989 version of their  
Copymaster Video Cassette Quality Control Station that can solve  
duplication bottleneck p  
News Release April 11, 1989 p. 1

... allows the operator to "hold" the automatic sequencing cycle for  
closer scrutiny of a suspect **cassette** and then to eject individual  
**defective cassette** during this **monitoring process**.

**21/3,K/6 (Item 1 from file: 275)**  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
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01129202 SUPPLIER NUMBER: 00633357

**Yield Model Can Tell Best Time for VLSI Memory IC Debuts: IBM Engineer.**  
Electronic News, v31, n1552, p36A  
June 3, 1985  
DOCUMENT TYPE: transcript ISSN: 0013-4937 LANGUAGE: ENGLISH  
RECORD TYPE: ABSTRACT

...ABSTRACT: uses the following methods to determine the causes of yield  
losses: inspection of the etched **photographic** patterns, electronic  
**defect monitoring**, test data analysis and failure analysis.

**21/3,K/7 (Item 1 from file: 621)**  
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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01104832 Supplier Number: 40751921 (USE FORMAT 7 FOR FULLTEXT)  
The Dwight Cavendish Company is now offering the 1989 version of their  
Copymaster Video Cassette Quality Control Station that can solve  
duplication bottleneck problems by providing a wide range of QC checks at  
a rate of up to 400 cassettes per hour.

News Release, pN/A  
April 11, 1989  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 254

... allows the  
operator to "hold" the automatic sequencing cycle for closer scrutiny  
of a suspect **cassette** and then to eject individual **defective cassette**  
during this **monitoring process**.

An adjustable rewind timer panel saves time by letting the operator rewind or fast forward...

**21/3,K/8 (Item 2 from file: 621)**

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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01084898 Supplier Number: 40503961 (USE FORMAT 7 FOR FULLTEXT)

**Miniature Infrared CCTV Camera**

News Release, pN/A

Sept 9, 1988

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 161

... CCTV camera from Electro-physics is ideal for the inspection and study of semiconductor wafer **defects**, **photographic** darkroom **monitoring**, night surveillance and the detection of IR emitting lasers etc. Features include: high sensitivity - down...

**21/3,K/9 (Item 1 from file: 636)**

DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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01546872 Supplier Number: 42257037 (USE FORMAT 7 FOR FULLTEXT)

**LCD defect monitor from Acrotec**

Electronic Materials & Processing, pN/A

August, 1991

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 176

... is used in the manufacture of thin film transistor (TFT) LCDs. It can detect surface **defects** using **digital image processing** technology. In addition to analyzing specific types of defect that may occur during the manufacture of TFT LCDs, the **monitor** can determine where the **defect** occurs, thereby contributing greatly to manufacturing productivity. The monitor is also well suited for use...  
?